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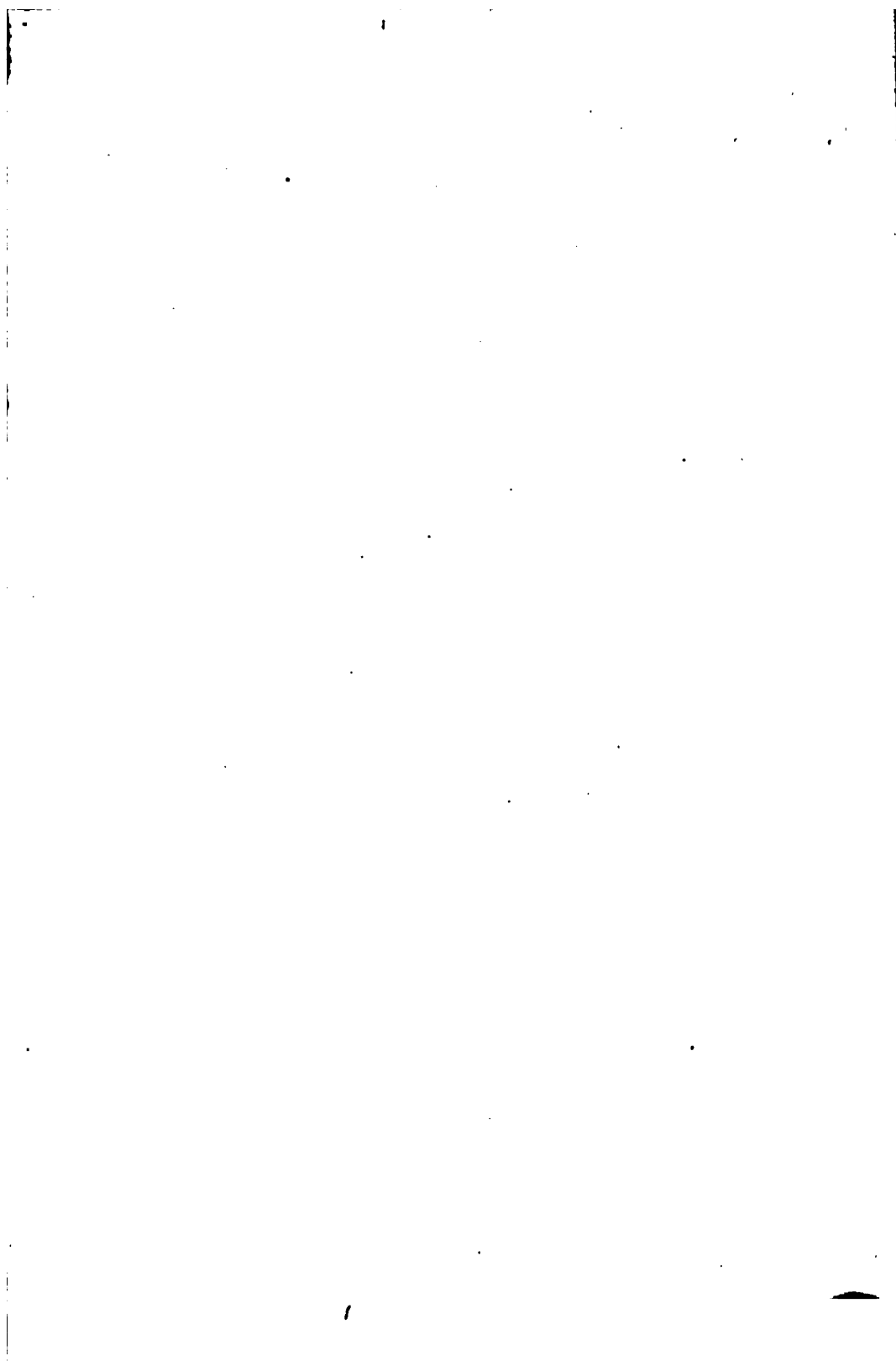
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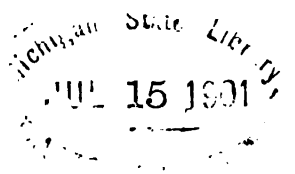
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1885.

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REPORT
OF THE
COMMISSIONERS
OF THE
ILLINOIS STATE PENITENTIARY,
AT JOLIET,
FOR THE
TWO YEARS ENDING SEPT. 30, 1884.

OFFICERS OF ILLINOIS STATE PENITENTIARY.

September 30, 1880.

BOARD OF COMMISSIONERS.

SAMUEL H. JONES, *President.*
HERMANN BENZE, *Secretary.*
JOHN E. POLLOCK.

RESIDENT OFFICERS.

Warden.
ROBERT W. McLAUGHRY.

Deputy Warden.
JOHN McDONALD.

Chaplain.
WILLIAM J. RUTLEDGE.

Physician.
M. B. CAMPBELL.

Clerk.
GALLUS MÜELLER.

Steward.
JOHN D. LELAND.

COMMISSIONERS' REPORT.

ILLINOIS STATE PENITENTIARY,

JOLIET, October 1, 1884.

To His Excellency, JOHN M. HAMILTON,

Governor of the State of Illinois:

SIR—The undersigned, Commissioners of the Illinois State Penitentiary at Joliet, herewith submit their biennial report for the period from September 30, 1882, to September 30, 1884, accompanied by the reports of the Warden, Physician and Chaplain of said prison.

Since the date of our last report the financial condition of this institution has been steadily improving, and we feel warranted in expressing the belief that from this date it will be self-sustaining, as far as ordinary expenses are concerned. We have had no occasion, during the past two years, to draw upon the \$50,000 contingent fund appropriated by the last General Assembly, and the full amount of said appropriation yet remains in the State Treasury.

The principal cause of this improvement is the increase in the revenue which this institution derives from the labor of the convicts. Since our last report, and especially during the last year, several large labor contracts expired and were replaced by new ones at much more favorable rates. The duration of this favorable state of things will depend upon the state of the labor market at the future letting of contracts. It gives us much pleasure to report that during the last two years we have sustained no losses in our accounts against contractors for labor or supplies.

For particulars of the financial condition of the penitentiary at this date, we refer you to the tabular statements attached to the Warden's report.

With means at hand we have reconstructed and improved the sewerage system of the prison, and have constructed a new laundry and bath room, the latter containing sixty bath tubs, arranged with hot and cold water, the use of which has contributed largely to the health and comfort of the prisoners.

The appropriations made by the last General Assembly for the purpose of introducing gas in the west cell-house, for enlarging the gas works and providing new gas-holder, for purchasing improved rotary ovens for the convict kitchens and for reconstructing the sewers, have all been applied to the objects specified in the act. These improvements have all been completed, and the sewerage, plumbing and ventilating system which has existed for over twenty years has been thoroughly overhauled, and is now in a greatly improved state.

The last General Assembly also made an appropriation of \$6,000 for the sinking of an artesian well. This amount was estimated to be sufficient and would have been sufficient for a well of the depth of two thousand feet, as originally contemplated, but upon reaching that depth the flow of water proved insufficient. If the work had been stopped then, the money expended would have been thrown away. After fully considering the matter and consulting with the contractors, Messrs. Marrs & Miller, of Chicago, it was deemed for the best interests of the State to continue boring until a sufficient supply of water should be reached. The contractors agreed to do the work and look to the next General Assembly for payment. They are now engaged in completing said well, and their bill for the same, when completed, will be submitted to your Excellency for transmission to the Legislature in a supplementary report.

The Warden's estimate of \$10,000 for necessary repairs during the next two years is apparent, and we ask your Excellency to recommend the appropriation of said amount.

On the 30th day of May, 1883, a convict, named John Anderson, was murdered in his cell. His cell-mate and fellow-convict, Michael Mooney, was indicted for the crime, tried in the Will County Circuit Court and found guilty of murder. The presiding Judge gave him a new trial, and he took a change of venue to Lake county, where another trial resulted in a like verdict. These trials have cost this institution the sum of \$724.17, and bills of Dr. George C. McFarland and Dr. Walter Hay, amounting to \$150 additional for services as expert witnesses, will be presented to the Legislature. The penitentiary and the persons named above should be reimbursed by the State.

No part of the contingent appropriation of \$50,000.00 made by the last General Assembly has been used. The reasons for granting said appropriations still exist, and fully warrant us in asking that it be continued by the next General Assembly. An epidemic or disease among the convicts, which may occur the coming summer, if cholera visits our shores, as is expected by the Board of Health, or a large fire in our shops, would so cripple us financially that the Legislature would have to be convened, at a cost largely exceeding the amount here asked for, to provide necessary funds for the maintenance of the prisoners. We ask, therefore, a contingent appropriation of \$50,000.00, to serve as capital in case of need.

We desire to call the special attention of your Excellency to the Chaplain's recommendation concerning the building of a chapel, for which we consider there is urgent present need.

With great respect, your obedient servants,

S. H. JONES,
HERMANN BENZE,
J. E. POLLOCK,

Commissioners.

WARDEN'S REPORT.

ILLINOIS STATE PENITENTIARY, WARDEN'S OFFICE,
JOLIET, Sept. 30, 1884.

To the Honorable Board of Commissioners of Illinois State Penitentiary :

GENTLEMEN—The statistical and financial tables which I have the honor to submit herewith, together with the reports of the Chaplain and Physician, show the operations of the Illinois State Penitentiary from the 30th day of September, 1882, to this date.

By inspecting tables E, F, G and H, you will see that the prison population, as well as the actual earnings and regular expenses, have been about the same for each of the two years covered by this report. The apparent loss in last year's business, is largely due to a reduction in the estimated value of prison property made by the Board of Appraisers.

The improved sanitary condition of the prison, which has been secured by increased water supply and by extensive repairs in sewerage, plumbing and ventilation, is a matter for congratulation, especially in view of the visitation of cholera with which our country is threatened.

The completion of the new bath room, furnished with sixty new tubs, has also aided in promoting the health of the prisoners, and has enabled us to abolish a "relic of barbarism" that has existed ever since the prison was built: I refer to the practice of compelling two prisoners to bathe in one tub at the same time. Nothing was ever tolerated in this institution more detrimental to decency, discipline or the self-respect of the prisoners.

The discipline maintained will compare favorably with that of former years. The aim has been, not to indulge in many experiments, but to so administer the law of the prison as to make each prisoner feel that in steady, effective discipline, lay his own greatest protection. The effect of this course upon the prisoners was clearly shown on the first day of March last, when the desperado Rande suddenly attacked and almost killed Deputy Warden McDonald in the harness shop—only to be the next moment himself overpowered and held until help came, by a prisoner who was also serving a life sentence, while another prisoner, serving a ten year sentence, sprang

at once to the relief of the wounded officer. During the struggle that ensued, the seventy-five men in the shop maintained the most perfect order.

The promptness with which the Governor recognized the service of the two prisoners above referred to, by commuting their sentences, has had an excellent effect upon the morale of the entire prison.

I ventured, in my report for 1880, to call the attention of your Board to the necessity of some measure, "by which the condition of a prisoner who really desires to lead an honest and industrious life when his term of imprisonment has expired, may be so changed, that on his discharge the community may have some means of knowing that he can be trusted; some evidence that during his period of imprisonment he has developed qualities that entitle him to at least a portion of the confidence it once reposed in him; some record which shows that, in the prison where he was confined, he was advanced by the authorities from a lower to a high grade by reason of good conduct, industry and constant effort to improve his mental and moral nature."

Four years of added experience have confirmed the convictions then expressed—and have also convinced me that the first thing to be done, is to separate young and first offenders from the old and hardened criminals in our penitentiaries, while at the same time just and proper punishment is meted out to both classes. How shall this be accomplished? Let the law be so changed that courts may send prisoners of the former class to one of our penitentiaries, where they may be treated under the system pursued in the best reformatories of the country, while to the other penitentiary shall be sent those who properly belong to the "crime class." Then let transfers be made from one to the other under some supervisory authority, until the separation of the classes named above shall be completely effected.

In this way can the State do something to check the fearful "recruiting service" for the great armies of crime which is constantly going on among the young prisoners in both our penitentiaries as they are now organized. Will not this be much better than to run each prison upon the old plan, which experience has shown to be so inadequate to meet the demands of advancing civilization and enlightenment, and will not a more just proportion of prisoners be thus secured to each, than by the present division of the State by an arbitrary line, about which there is constantly more or less contention between the two penitentiaries?

These views are not of recent origin. In 1871, the Legislature appointed a joint committee of the Senate and House, to "investigate the discipline, management and financial condition of the Illinois State Penitentiary." After several months of faithful labor, that committee made an exhaustive report, and so fully was it convinced of the necessity of separation of the classes above described, that it used the following strong language on the subject:

"Under the present system, all classes of convicts, regardless of their former character or the degree of crime for which they are

committed, are thrown together, (except a department of the capacity of about 100 convicts, where the incorrigible and the worst cases are confined.) But as it is, the young and inexperienced criminal who is guilty of his first offence, comes in contact, day after day, with the old offender, who is always ready and anxious to educate him as he only knows how. Thus he becomes familiar with crime, and too often, after a short sentence, leaves the prison a worse and more dangerous man than when he entered the institution.

"This indiscriminate congregating of convicts is a great curse, and prevents the real object for which he was sentenced being attained—*reformation*. There should be an intermediate prison, where this class and others, for good conduct, might be sent. And when the State *does* find it necessary to enlarge its present prison capacities, it should be of this kind. The present penitentiary will be sufficient for many years if some provision is made for this class."

I respectfully commend the foregoing recommendations to the earnest consideration of your Board, the Executive, and the members of the next General Assembly.

In again bearing testimony to the intelligent and faithful service rendered by the officers, keepers, guards and employes of this penitentiary, I but discharge a pleasant duty.

To yourselves, gentlemen, I extend thanks for cordial co-operation in the work of the two years now closing, and remain,

Your obedient servant,

R. W. McCLAUGHRY,

Warden.

CHAPLAIN'S REPORT.

ILLINOIS STATE PENITENTIARY,
JOLIET, Oct. 1, 1884.

To the Honorable Board of Commissioners:

GENTLEMEN—There has been no material change in the duties of the Chaplaincy since my last biennial report. Each Sabbath, at 9 A. M., our regular religious services occupy about an hour, sometimes followed by a Bible reading, or a season of testimony and prayer, for those who choose to attend. Then separate worship is held in the Women's ward, where their fixed attention, good singing and good conduct give evidence of the interest felt. These, with occasional services in the hospital, especially adapted to the inmates, occupy the Lord's day. Many who visit us are highly impressed with the spirituality manifest, and speak of it as a rare opportunity for doing good to those who not only need it, but who seem to highly appreciate it. Many tokens for good here, and the reformed lives of many who have gone out, assure us that our labor is not in vain.

Funerals.

When one dies here and is not claimed for burial by friends outside, his companions of the same shop attend the funeral.

Age and Mental Grade of Convicts.

As a large prison is a world in miniature, with intellectual grade from "crank" and "feeble-minded" to highest college culture, and varying, in age, from fifteen to seventy-five, the best thought, clothed in the most appropriate words, is needed to interest, instruct and impress for good.

Best Reading Needed.

Many ministers have a "Mark Twain" strata in their composition; if such would write characteristic tracts, with anecdotes, cheerful and humorous, yet thundering home a moral at the close, they would be pleasant and profitable reading for convicts. Who will thus give true manliness and strength to the "spirits in prison"?

Holidays.

Each holiday is an oasis in prison life, and the authorities here take a special care to make them enjoyable.

Poor Chapel Described.

Yet all our entertainments are sadly marred for want of an appropriate chapel. For twelve years the plea has been urged on our Legislature for an appropriation to build, that we may have such facilities as are furnished elsewhere.

We respectfully, yet earnestly, renew this appeal, as we, in the proper sense, have never had a chapel, only a large shop, difficult of access, and considered unsafe. No rule of acoustics is observed in its low ceiling, and no law of health in its bad ventilation. Into this upper room only two-thirds of our number can be crowded in hot weather, and it seems a mockery to urge moral reform where there is not bodily comfort. The effect of inspiring songs and earnest sermons are lost, or lessened, by the remembrance that five hundred are locked in cells, who should be with us to enjoy what, at the lowest estimate, tends to instruct, and breaks the monotony of prison life. The strongest appeal we can make to our Legislature in behalf of this neglected five hundred, is, "put yourselves in their places," and do not wonder if this alternating worship enforced on us produces only an intermittent piety.

Prison Library.

Our library of seven thousand volumes is one of the best investments you have ever made, and is a perpetual source of improvement and enjoyment to the inmates. The annual appropriation made to replenish it is still needed, where books are so constantly circulated and read.

Newspapers.

We highly commend the course of those who send weekly papers from counties where convicts are acquainted, and hope that more will do it, to keep them in sympathy with all good influences at home.

Prisoners' Aid Society.

We deeply regret the discontinuance of "Prisoners' Aid Society" in Chicago, as it was a noble effort in the right direction. Great credit is due Judge Jameson and others who liberally contributed for the temporary support of ex-convicts, and who helped so many to find employment. Private individuals can not bear so great a burden, yet it is a work, immense alike in its proportions and importance, and worthy of aid from the State.

Catholic Services.

Rev. Fathers Bernardine and Francis, of the Order of St. Francis, have held Roman Catholic services once each month in the woman's ward, and twice each month in the chapel, for the benefit of those in their communion, and there is perfect unanimity in our efforts to seek and save the lost. Also, it is due our officers to say that their hearty co-operation contributes much towards achieving the best results.

Prison School, etc.

Our school, of five months during the long winter nights, is still a blessing to many. The ages of pupils there range from fifteen to fifty-five, and the present attendance at school is one hundred and four. Seven convicts serve as efficient teachers, one of whom when a mere boy, with a sentence for life hanging over him, learned the alphabet here and has now attained respectable scholarship. Since this school was organized, about eighteen hundred have learned to read and write in it, and some have become quite proficient in arithmetic and geography. As only two-thirds of our number can be accommodated at one time in the chapel, so only one-half of our scholars can attend school for want of room, thus doubling our labor and requiring two nights to do the work of one. While good school houses multiply outside, this is unjust to those whose last chance for education is here. Within fifty years past I have witnessed with pleasure the building of nearly every public institution in Illinois, and am acquainted with their present status, and I confidently assert that nowhere else in this fourth State in the Union, with immense resources and out of debt, is there such an outrage perpetrated as the crowding out of those who need and desire in prison the benefits accruing from the common school, and the privileges of the house of God.

Cost to Protect, etc.

To protect society and reform offenders are the avowed objects of imprisonment, yet scarce one per cent. of the amount that is paid out for the former is used for the latter. No wonder that we but partially succeed, knowing all the time that society is best secured when the vicious and erring are helped to a higher and purer life.

Plan and Cost of Chapel.

We present again, through you, to the Legislature, the plan and cost of the chapel required here, in confidence that, as you know the facts, it will meet your approval, and that, after so long delay, they will make this much needed appropriation.

Conclusion.

Thankful for the Divine blessing on our humble endeavors, and thankful to you, gentlemen, for your kind co-operation in every thing that pertains to the health, and to the mental and moral welfare of the prisoners, I have the honor to subscribe myself,

Respectfully yours,

WM. J. RUTLEDGE, *Chaplain.*

PHYSICIAN'S REPORT.

ILLINOIS STATE PENITENTIARY,

Joliet, Oct. 1, 1884.

To the Hon. Board of Commissioners of the Illinois State Penitentiary :

GENTLEMEN—It again becomes my duty to officially report to you the medical and sanitary condition of this penitentiary, and the results of my service during the two years ending October 1, 1884. While we have suffered from no serious epidemic during this time, we have had the average amount of sickness incident to prison life. Our statistical report shows that there were fifty deaths during these two years, nine of which were from violence. Two of these were suicides, one, we believe, was murdered by his cell-mate, and the other six were the results of accidents occurring during the ordinary avocations of the men. Twenty-two died from phthisis pulmonalis, or some form of tubercular disease. Only seven of the fifty died of acute disease, viz: One from winter cholera, one from diarrhoea, one from typhus fever, one of malarial fever, one of inflammation of the brain, one of pneumonia, one of congestion of the brain with cerebral effusion.

This shows a death rate from acute disease much less than I have heretofore had to report. There are at present an unusually large number of consumptive cases under treatment.

There were twenty insane commitments during the two years, comprising nineteen patients, Alice Muffert having been committed twice during this period. I feel it my duty to again draw the attention of the Board to the insufficient provisions made for the criminal insane. To more strongly impress this fact, I herewith give a history of a man who was recently an inmate of this prison. Having taken pains to ferret out his history, I know the statement to be correct. Frank Dutcher was sent to the Wisconsin penitentiary for four years, July 25, 1878, having been convicted of burglary and larceny. He was transferred to the Wisconsin Insane Asylum June 17, 1880, from whence he escaped July 29, 1881. December 10, 1881, he was received at this penitentiary under a two years' sentence for burglary and larceny. He was transferred to the Elgin Asylum upon my certificate July 17, 1882. The prison authorities received notice of his escape from the asylum August 16, 1882. He was again received at this penitentiary January 26, 1884, under

sentence of three years on two indictments, and sent to Elgin March 31, 1884. The prison authorities again received notice of his escape April 9, 1884—nine days after his last commitment to the asylum.

The sanitary condition of our penitentiary was never better. The increase of our water supply, and improvements in sewerage, closets and plumbing, has already exerted a beneficial influence on our prison population. The food, clothing and general care of the prisoners is all that can be desired.

Yours respectfully,

M. B. CAMPBELL, M. D.

Prison Physician.

Statement—Continued.

Diseases Treated.	1882.	1883.	Total number of cases	Sent to Insane Asylum.....	Deaths.....
CLASS III. DISEASES OF THE EYE.					
Conjunctivitis, catarrhal.....	2	1	10	1	7
" " traumatic granular.....	1	1	5	1	4
Corneal ulcer.....	1	1	1	1	1
Dilation of the pupil.....	1	1	1	1	1
Iritis.....	1	1	1	1	1
Amblyopia.....	1	1	1	1	1
Chlory blepharitis.....	1	1	1	1	1
Irido conjunctivitis.....	1	1	1	1	1
CLASS IV. DISEASES OF THE EAR.					
Aural abscess.....	1	1	2	-	-
CLASS V. CIRCULATORY SYSTEM.					
Heart affection, functional.....	3	1	17	-	2
Gonorrhea debility.....	4	2	7	1	1
Cardiac debility.....	1	2	1	1	1
Necrosis ulcer.....	1	1	1	1	1
Necrosis ulcer.....	1	1	1	1	1
Hypertrophy of the heart.....	1	1	2	1	1
CLASS VI. GLANDULAR SYSTEM.					
Adenitis.....	-	1	1	1	-
Enlarged carotid.....	-	-	-	-	-
CLASS VII. RESPIRATORY SYSTEM.					
Laryngitis.....	2	1	8	-	2
Bronchitis, acute.....	2	2	1	2	1
Bronchitis, chronic.....	-	1	1	1	1
Catarrh, chronic.....	1	1	1	1	1
Influenza.....	1	1	1	1	1
Asthma.....	-	2	2	1	1
" with acromia.....	-	-	1	1	1

Mortuary Statement for the two fiscal years, ending September 30, 1884.

Register Number	Names.	Age.	Cause of Death.	Date of Death.
835	Patrick Casey	30	Phthisis pulmonalis.....	November 13, 1882
4167	John Oliver.....	30	.....	December 21, "
4822	F. H. Weber.....	40	Inanition with supervening paralysis....	January 1, 1883
5074	Charles Bergstrom.....	61	Cancer of stomach.....	" 5, "
396	Robert Breckenridge.....	23	Winter cholera.....	" 7, "
981	James Chase.....	30	Phthisis pulmonalis.....	" 26, "
3730	John Scott.....	36	Accidental; amputation of thigh with supervening lockjaw.....	February 2, "
4798	John Morton.....	35	Accidental; wound in throat from machinery.....	" 3, "
3710	George Campbell.....	21	Fractured skull.....	" 5, "
4910	Peter Ross.....	.....	Accidental; fractured skull, rib, clavicle and wrist from fall.....	" 10, "
5134	Thos. McLoughlen.....	24	Consumption, phthisis pulmonalis.....	" 22, "
3012	Owen Bridale.....	30	Heart disease.....	March 29, "
4233	John Gall.....	35	Epilepsy.....	April 11, "
323	Frank Morrell.....	26	Consumption, phthisis pulmonalis.....	" 27, "
5429	A. R. Carpenter.....	27	Heart disease.....	May 11, "
3899	Morris Thompson.....	35	Internal injuries.....	" 24, "
5310	John Anderson.....	43	Loss of blood from severed jugular and punctured wound of heart, murdered by cellmate.....	" 30, "
4977	Louisa Rose.....	35	Malingering, etc.....	" 31, "
4448	John Hoosie.....	29	Consumption, phthisis pulmonalis.....	June 2, "
4222	Charles Wilson.....	24	General debility.....	" 21, "
5558	Edward A. Aubell.....	21	Suicide.....	July 2, "
4564	Alex. Chinchiskey.....	20	Consumption, phthisis pulmonalis.....	" 2, "
5419	Edward O'Brien.....	22	Cerebral effusion.....	" 9, "
4195	John W. Andrews.....	46	.....	" 17, "
4641	David Connors.....	23	General debility.....	" 23, "
5423	Chris. Hampton.....	32	Phthisis pulmonalis.....	" 27, "
5081	George Kellogg.....	30	Strangulation.....	August 7, "
4175	Thos. Ryan.....	28	Hip disease.....	" 10, "
1272	Thomas Mayes.....	53	Diarrhoea.....	" 18, "
5127	William Johnson.....	28	Phthisis pulmonalis.....	" 21, "
4510	Emil Hansen.....	25	Bright's disease of the kidneys.....	September 4, "
3413	Timothy Larkin.....	30	Phthisis pulmonalis.....	October 7, "
4227	Michael Kelly.....	21	.....	" 14, "
5413	Charles Shackelford.....	35	.....	November 18, "
5454	Edward Burch.....	37	General debility.....	December 1, "
3633	James Craig.....	63	Phthisis pulmonalis.....	" 25, "
4552	Thomas Collins.....	22	Typhus fever.....	January 1, 1884
410	Henry Parker.....	29	Phthisis pulmonalis.....	" 2, "
1576	Frank Rande.....	45	Suicide by hanging.....	March 7, "
4487	James Brennan.....	18	Phthisis pulmonalis.....	" 11, "
6081	Thomas Myers.....	25	Inflammation of the brain.....	April 2, "
5925	John Rose.....	49	Malarial fever.....	May 23, "
4759	Matthew Guyer.....	24	Pneumonia.....	June 21, "
174	John H. Cantner.....	32	Phthisis pulmonalis.....	July 1, "
485	Thomas Webb.....	22	.....	" 1, "
3911	Columbus Terrill.....	24	Consumption and heart disease.....	" 29, "
529	James Fitzpatrick.....	22	Phthisis pulmonalis.....	August 29, "
561	Herman Schalk.....	25	.....	September 12, "
4513	Thomas Tracey.....	24	"	" 22, "
4677	James Williams.....	24	"	" 23, "

Hospital Report of Convicts sent to Insane Asylum for the two fiscal years, ending September 30, 1884.

Register Number	Names.	Age.	For what treated.	When sent to Asylum.	Asylum.
4050	Edward Fitzgerald..	19	Insanity	December 15, 1882	Anna
5190	William Smith.....	19	Syphilis with intervening insanity	" 19, "	Jacksonville . .
5283	John Boyce	50	Insanity	March 14, 1883	Elgin
4703	Allice Muffert	"	"	April 28, "	Kankakee
4319	Charles Renner	21	"	August 15, "	Jacksonville ...
2154	W. T. Hannas	37	"	October 4, "	Jacksonville ...
5337	Frank Dutcher	25	"	" 4, "	Elgin
4313	John Gallagher	32	General debility and insanity	" 16, "	Kankakee
5665	John Thompson	22	Insanity	November 6, "	Jacksonville ...
4137	Wm. H. Linzle	38	"	January 1, 1884	Jacksonville ...
4394	John Brown	40	"	March 10, "	Jacksonville ...
6013	Henry Peterson	27	"	" 15, "	Kankakee
5916	Frank Gutcher	26	"	" 31, "	Elgin
5534	Wilbur Longnecker..	31	"	April 30, "	Jacksonville ...
5190	William Smith	19	"	May 5, "	Jacksonville ...
4802	David Black	26	"	" 15, "	Elgin
4703	Allice Muffert	"	"	June 2, "	Kankakee
5177	Walter Upstone	50	"	" 26, "	Elgin
5495	Ella Johnson	15	"	July 16, "	Jacksonville ...
3746	Patrick Fenton	42	"	August 27, "	Jacksonville ...

APPENDIX.
CONTAINING
EXHIBITS AND FINANCIAL STATEMENTS
ACCOMPANYING THE
WARDEN'S REPORT
OF THE
ILLINOIS STATE PENITENTIARY,
September 30, 1884.

EXHIBIT A.

Balance Sheet of the Illinois State Penitentiary,

Accounts.	Inventory Sept. 30, 1882.	Trial Balance.		Inventory Sept. 30, 1883.	To Sept. Losses.
		Dr.	Cr.		
State of Illinois.....			\$1,566,608 92		
Labor.....			191,737 85		
Expense.....	\$40,744 27	\$255,294 00		\$14,250 47	\$211,043 53
State shops.....	10,110 59		7,695 39	11,479 28	
Store and farm.....	19,777 43	25,325 63		27,787 26	
Machinery and fixtures.....	20,185 68	20,302 91		20,302 91	
Furniture and fixtures.....	28,165 13	30,740 83		29,817 32	923 51
Real estate.....	750 00	750 00		600 00	150 00
Cash.....		32,758 45			
Convict money.....			5,355 89		
Library.....		289 10			
Permanent improvements.....		3,567 22			
Repairs.....		6,266 41			6,266 41
Prison grounds and build'gs.....		1,430,929 70			
Appropriations:					
32d G.A. Bal. rep'rs & imp'ts.....			3,784 89		
Ordinary expenses.....			30,000 00		
33d G.A.—Rep'rs and imp'ts.....			21,800 00		
United States.....		336 05			
Contractors debtors.....		11,467 67			
Sundry debtors.....		8,957 96			
	\$119,731 10	\$1,826,985 94	\$1,826,985 94	\$134,237 19	
Amount of appropriations used (a gain to "State of Illinois" account.....					33,781 89
Losses on accounts over gains.....					
					\$252,165 34

Present state of account "State of Illinois".....

Addition of Permanent Improvements to Prison Grounds and Buildings....
Present state of account Prison Grounds and Buildings.....

New balance.....

A true and correct balance sheet.
GALLUS MUELLER, Clerk.

EXHIBIT A.

for the fiscal year ending September 30, 1883.

30, 1883.	State of Illinois.		Prison Grounds and Buildings.		New Balance.	
Gains.	Dr.	Cr.	Dr.	Cr.	Assets.	Liabilities.
		\$1,566,608 92				
\$191,177 62						
19,177 62					\$44,250 47	
2,461 63					11,459 24	
					27,787 26	
					20,302 91	
					20,817 32	
					600 00	
					32,758 46	
						\$5,355 89
					289 10	
			1,430,929 70			
3,781 89						3 00
30,000 00						24,800 00
					336 05	
					11,457 67	
					8,957 96	
		33,781 89				
5,006 35	\$5,006 35					
\$252,165 34						
	1,595,384 46					1,595,384 46
	\$1,600,390 81	\$1,600,390 81				
			3,567 22			
				\$1,434,496 92	\$1,434,496 92	
			\$1,434,496 92	\$1,434,496 92		
					\$1,622,543 35	\$1,622,543 35

EXHIBIT B.

Balance Sheet of the Illinois State Penitentiary

Accounts.	Inventory. Sept. 30, 1883	TRIAL BALANCE.		Inventory. Sept. 30, 1884	To Sept. Losses.
		Dr.	Cr.		
State of Illinois			\$1,595,384 46		
Labor			133,132 75		
Expense	\$44,250 47	\$259,152 49		\$42,216 15	\$216,936 34
State shops	11,479 23		9,273 76	9,273 57	
Store and farm	27,787 25	16,304 87		18,776 78	
Machinery and fixtures	20,302 91	21,232 38		21,252 34	
Furniture and fixtures	29,817 32	30,863 85		26,445 25	3,858 00
Real estate	600 00	561 55		500 00	63 55
Overwork		139 00			139 00
Profit and loss		113 71			113 71
Cash		10,999 35			
Convict money			5,440 24		
Library			191 30		
Permanent improvements		10,858 06			
Repairs		5,505 83			5,505 83
Prison grounds & buildings		1,434,496 92			
Appropriations—					
32d G. A., "Land" balance			3 00		
33d G. A., Impro'ts & repairs			25,300 00		
Mooney trial		742 17			
Improvements by contracts—					
New ovens		2,300 00			
Gas west cell-house		1,500 00			
Artesian well		8,435 82			
Enlarging gas-works		2,000 00			
Sewerage, plumbing, etc.		12,561 81			6,564 82
United States		800 75			
Bills receivable		2,595 87			
Bills payable			1,935 92		
Sundry debtors		10,541 42			
	\$134,237 19	\$1,830,661 46	\$1,840,661 46		

Amount of appropriations used (a gain to "State of Illinois" account)..... 25,300 00
 Losses on accounts over gains.....

\$258,472 85

Present state of account "State of Illinois"

Present state of account "Prison Grounds and Buildings"

New balance

A true and correct balance sheet.

GALLUS MUELLER, Clerk.

EXHIBIT B.

for the fiscal year ending September 30, 1884.

30, 1884.	STATE OF ILLINOIS.		PRISON GROUNDS AND BUILDINGS.		NEW BALANCE.	
Gains.	Dr.	Cr.	Dr.	Cr.		
\$193, 132 78		\$1,595,384 46				
18,547 33					\$42,216 15	
2,472 41					9,273 57	
					18,776 78	
					21,252 39	
					26,445 25	
					500 00	
					10,999 35	
						5,440 24
			\$10,858 06			191 30
			1,434,496 92			
						3 00
25,300 00					742 17	
			2,300 00			
			1,500 00			
			6,500 00		1,935 92	
			2,000 00			
			6,000 00			
					390 75	
					2,595 87	
					10,541 42	1,935 92
19,020 33	\$19,020 33	25,300 00				
\$258,472 85						
	1,601,664 13					1,601,664 13
	\$1,620,684 46	\$1,620,684 46				
				\$1,463,654 98	1,463,654 98	
			\$1,463,654 93	\$1,463,654 98		
					\$1,609,234 59	\$1,609,234 59

EXHIBIT C.

Partition Abstract of Cash Received and Expended at the Illinois State Penitentiary during the fiscal year ending September 30, 1898.

[illegible]

EXPENDITURES.		Convict money.	Expenses.	Purchases.	Library.	Repairs.	Total.
1883	October.....	\$218 11	\$1,483 92	\$3,711 61	\$7 00	.....	\$5,414 64
	November.....	444 93	6,913 10	10,463 16	21 96	.....	17,842 51
	December.....	116 78	7,428 76	8,811 77	16 50	.....	16,313 81
1888	January.....	824 99	6,497 30	19,042 80	38 53	.....	26,543 07
	February.....	617 34	6,750 62	9,834 04	155 05	.....	17,361 06
	March.....	461 27	6,694 10	12,306 08	805 34	.....	23,307 79
	April.....	594 07	6,898 61	12,196 86	442 29	.....	19,816 43
	May.....	463 57	6,376 72	15,989 63	351 22	\$226 06	21,897 12
	June.....	983 09	8,510 50	6,479 36	55 00	.....	15,421 24
	July.....	890 14	8,712 24	3,479 83	66 35	.....	17,141 56
	August.....	691 23	6,443 04	30,631 34	.....	.....	37,264 70
	September.....	876 63	12,350 69	29,361 12	92 77	.....	43,271 11
	Total.....	\$7,053 99	\$63,114 63	\$161,855 40	\$4,124 06	\$226 06	\$254,273 36
1888	September 30, Balance on hand.....	.....	.....	.....	.....	.....	\$32,758 46

EXHIBIT E.

Statement showing the Earnings of the Illinois State Penitentiary from Convict Labor, the average contract price paid per man per day, and the average earning per man per day, during the fiscal year ending September 30, 1883.

Month.	Under Contracts.		Railroad dock and teaming	Labor female prison.	Total.
	Number days.	Amount earned.			
1882. October	30,109	\$16,226 41	\$152 61	\$164 00	\$16,539 02
November	29,019	15,593 96	150 03	77 92	15,826 91
December	29,619	15,980 64	156 70	40 48	16,177 82
1883. January	31,305	16,347 62	160 78	126 80	17,135 20
February	27,411	14,773 91	139 49	147 44	15,060 84
March	30,776	17,129 68	167 23	151 48	17,451 39
April	28,071	15,135 50	141 64	143 52	15,420 70
May	29,355	15,728 05	144 06	160 96	16,033 07
June	29,042	15,629 84	145 60	168 24	15,913 68
July	27,827	14,990 28	140 74	185 20	15,316 22
August	29,832	15,999 49	143 37	191 52	16,334 38
September	26,578	14,139 85	120 05	178 72	14,438 62
Convict labor to contractors.....	348,944	\$188,240 23	\$1,762 34	\$1,735 28	\$191,737 85
State Shops.—Earnings for fiscal year, (see balance sheet).....					19,177 63
Store earnings and profits on farm, ...					2,461 63
Total earnings.....					\$213,377 10
Average contract price per man per day.....					.55 cents
Average earning per man per day, including productive and unproductive men, including working days, Sundays and holidays.....					40.98 cents



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EXHIBIT F.

Statement showing the earnings of the Illinois State Penitentiary from Convict Labor, the average contract price paid per man per day, and the average earning per man per day, during the fiscal year ending September 30, 1884.

MONTH.	UNDER CONTRACTS.		Railroad dock and teaming	Labor female prison.	Total.
	Number days.	Amount earned.			
1883. October.....	28,607	\$15,205 34	\$133 76	\$199 52	\$15,538 62
November.....	27,143	14,486 78	129 14	192 80	14,808 72
December.....	27,285	14,592 72	131 14	179 92	14,903 78
1884. January.....	29,157	15,533 88	137 08	197 36	15,868 32
February.....	27,814	14,935 76	136 68	182 40	15,254 84
March.....	29,497	15,818 64	155 15	204 32	16,178 11
April.....	29,250	15,871 77	149 73	197 28	16,218 78
May.....	30,373	16,448 59	159 81	211 44	16,819 84
June.....	29,071	15,751 79	158 31	197 04	16,107 14
July.....	30,824	16,721 53	164 80	212 64	17,103 02
August.....	30,535	16,548 76	172 84	215 58	16,937 18
September.....	29,735	17,018 41	163 78	198 24	17,380 43
Convict labor to contractors.....	349,321	\$188,954 02	\$1,790 22	\$2,388 54	\$193,132 78
State Shops.—Earnings for fiscal year, (see balance sheet).....					18,547 33
Store earnings and profits on farm,.....					2,472 41
Total earnings.....					\$214,152 52
Average contract price per man per day.....					55½ cents
Average earnings per man per day, including productive and unproductive men, including working days, Sundays and holidays.....					40.93 cents

EXHIBIT I.

Statement of Convict Money received and paid out at the Illinois State Penitentiary during the two fiscal years ending September 30, 1884, and the amount remaining due to convicts on that date.

MONTH.	RECEIVED FOR OVERWORK.		RECEIVED.		Total.	DISBURSEMENTS.		Total.
	E. R. Brainerd & Co.	J. H. Winthrop & Sons.	Ashley Wire Co.	Deposits.		Reading matter, etc.	Remitted to friends.	
1882.								
October 1, bal. due convicts.					\$4,884 57			
October.....	\$66 40	\$185 51	\$21 00	\$230 50	503 41		\$74 48	\$138 63
November.....	70 90	196 70		198 76	466 86	\$142 15	129 50	172 67
December.....	66 10	210 74		341 03	617 87		86 67	30 11
1883.								
January.....	43 50	139 23		278 19	460 92	143 70	353 27	327 42
February.....	27 10	177 32		138 06	342 48		147 23	470 11
March.....	34 02	202 43		236 48	472 91	211 20	138 75	111 32
April.....	23 80	104 22	175 19	237 42	590 63		194 90	531 17
May.....	32 30	116 58	206 65	556 38	911 91	157 63	253 14	71 80
June.....	22 10	269 49		614 37	900 96	179 15	137 83	845 26
July.....		252 00	164 53	767 90	998 04		226 65	394 34
August.....	18 20	211 94		767 90	998 04	265 35	253 01	441 27
September.....	64 10	278 61		219 28	592 05		125 75	484 53
1884.								
October.....	18 30	301 46		108 24	498 00		555 73	134 69
November.....	23 80	231 31		775 95	1,031 06	232 80	252 31	468 18
December.....		77 25		376 14	453 42		188 66	309 92
January.....	3 40	63 61		318 44	385 48	227 22	34 56	945 74
February.....	28 60	74 43		324 56	427 59		137 56	235 17
March.....		28 33		294 17	313 00	162 62	72 75	144 57
April.....		86 03	365 23	392 95	814 21	208 50	58 82	255 82
May.....	14 70	254 18		250 62	523 50		128 90	33 67
June.....	57 40	179 79		645 14	892 33	245 10	111 91	225 56
July.....	79 50	251 49		247 65	558 64	150 80	212 13	153 61
August.....	75 80	254 81		351 10	690 71	89 50	887 00	236 61
September.....	70 20	326 07		337 65	733 92	66 03	135 60	439 44
Sept 30, bal. due convicts.								
Total.....	\$340 22	\$4,472 15	\$932 60	\$3,591 20	\$19,720 74	\$2,490 75	\$4,877 11	\$6,912 64
Grand total.....					\$19,720 74			\$19,720 74

EXHIBIT J.

Statement of Receipts and Disbursements for the Library of the Illinois State Penitentiary during the two fiscal years ending September 30, 1884.

MONTHS.	Received from visitors.	DISBURSED.			
		Books and reading matter.	Other supplies.	Catalogue	Total.
1882. October 1. Balance due Library	\$1,134 73				
October.....	193 00	\$7 00	\$47 44		\$51 44
November.....	57 50	21 96	10 24		32 20
December.....		16 50	25 52		46 02
1883. January.....	94 00	34 58	27 75		66 33
February.....	38 50	156 05	90 40		246 45
March.....	51 00	146 44	184 66	\$699 90	1,031 00
April.....	65 45	102 29	34 82	350 00	487 11
May.....	*130 16	33 22	21 76	338 00	395 98
June.....	117 00	55 00	11 89		66 89
July.....	137 00	66 35	11 04		77 39
August.....	146 50		16 22		16 22
September.....	211 50	92 77	51 64		144 41
October.....	110 00	10 00	16 87		26 87
November.....	63 00	105 81	26 45		132 26
December.....	89 00	16 94	31 53		48 47
1884. January.....	74 50	117 82	14 36		132 18
February.....	70 40	43 65	19 99		63 64
March.....	70 00	40 75	50		41 25
April.....		27 72	60		28 32
May.....	139 50	32 31	12 51		44 82
June.....	95 00	13 50			13 50
July.....	137 00	41 20	12 79		53 99
August.....	175 00	19 77	1 05		20 82
September.....	100 00	13 88	22 00		35 88
		\$1,219 51	\$699 03	\$1,387 90	\$3,306 44
1884. September 30. Balance due Library.....					191 30
Total.....	\$3,497 74				\$3,497 74

*Including \$70.16 credit from store.

EXHIBIT K.

Statement of Appropriations made by the 32d and 33d General Assemblies for the benefit of the Illinois State Penitentiary, when and how drawn and expended, during the two fiscal years ending September 30, 1884.

DATE.	APPROPRIATIONS DRAWN.	AMOUNT.	DATE.	APPROPRIATIONS EXPENDED.	AMOUNTS.	BALANCE ON HAND.
1882. Oct. 1	MADE BY 32D GENERAL ASSEMBLY. <i>Land—</i> Balance on hand.....	\$3 00	1883. Sept. 30	MADE BY 32D GENERAL ASSEMBLY. <i>Land—</i> Balance on hand.....	\$3 00	\$3 00
	<i>General Repairs—</i> Balance on hand.....	2,781 89	"	<i>General Repairs—</i> Applied to "repair account" for general repairs	2,781 89	
	<i>Gas Works—</i> Balance on hand.....	1,000 00	"	<i>Gas Works—</i> Applied to "permanent improvement account" for introducing gas in East cell house.....	941 67	
1883. Aug. 28 Sept. 23 Sept. 29	<i>Ordinary Expenses—</i> Drawn on Treasurer's warrant.. Drawn on Treasurer's warrant.. Drawn on Treasurer's warrant..	10,000 00 10,000 00 10,000 00	"	Applied to "repairs account" for sundry repairs on gas.....	58 83	1,000 00
	MADE BY 33D GENERAL ASSEMBLY.		Aug. and Sept.	<i>Ordinary Expenses—</i> Applied to general funds for defraying ordinary expenses of the Illinois State Penitentiary.....		30,000 00
Aug. 18	<i>Repairs and Improvements—</i> Ovens.....	2,300 00		MADE BY 33D GENERAL ASSEMBLY.		
"	Gas in west wing.....	1,500 00	1883. Nov.	<i>Repairs and Improvements—</i> Ovens, paid to contractors, etc.....	2,300 00	
"	Enlarging gas works.....	2,000 00		Gas in west wing, work done by prison shops	2,500 00	
"	Artesian well.....	6,000 00	March 14	Artesian well, paid to contractors.....	6,000 00	
"	Sewerage.....	6,500 00	Sept. 30	Enlarging gas works, paid to contractor	2,000 00	
1884. Aug. 13	General repairs first fiscal year.....	3,500 00	"	Sewerage, paid to contractor.....	6,500 00	
	General repairs second fiscal year.....		"	General repairs, applied to "repairs account" permanent im-	5,505 83	
			"	provements.....	1,494 17	
				For repairs and improvements made during fiscal year.....	7,000 00	
	Total.....	\$39,034 80		Total.....	\$59,184 80	\$3 00

EXHIBIT L.

Statement of Repairs and Permanent Improvements made by State Shops at the Illinois State Penitentiary during the two fiscal years ending September 30, 1834.

MONTH.	REPAIRS.						PERMANENT IMPROVEMENTS.	
	WARDEN HOUSE.		CELL-HOUSES, SHOPS, ETC.		WATER, STEAM, GAS AND SEWER-AGE.		Total of Repairs.	Total.
	Labor.	Material	Labor.	Material	Labor.	Material		
1832.								
October.....	\$10 15	\$5 75	\$17 00	\$18 00	\$71 25	\$91 65	\$208 05	\$35 50
November.....	14 65	82 35	163 50	253 35	107 50	111 95	656 70	65 00
December.....	207 00	23 73	40 85	48 15	42 75	35 70	456 80	830 74
1833.								
January.....	78 50	807 85	41 10	251 90	69 40	66 41	530 04	770 62
February.....	13 70	37 08	143 95	93 86	96 75	14 10	1,110 21	175 40
March.....	93 75	49 67	81 85	160 54	16 20	73 45	465 87	53 70
April.....	96 75	127 44	43 70	157 57	28 45	26 70	402 84	945 17
May.....	138 50	123 66	201 45	348 07	26 90	62 50	908 16	422 05
June.....	142 00	101 42	202 35	229 12	25 70	3 95	281 65	706 70
July.....	48 75	64 45	108 08	992 73	35 40	43 40	726 74	382 30
August.....	166 50	37 15	37 15	301 33	354 20	620 53	1,329 38	60 00
September.....	8 80	14 64	86 60	340 39	19 15	63 18	1,582 70	374 95
Totals.....	\$1,019 85	\$1,437 04	\$1,174 18	\$3,200 01	\$537 65	\$1,212 32	\$8,880 55	\$3,159 47
May 31, 1833. Cash for repairs on mantels and grates.....							226 06	
Sept. 30, 1833. Credit by appropriations made for general repairs by 32d General Assembly.....							\$9,106 63	
Amounts carried by Illinois State Penitentiary (see Balance Sheet A.....)							\$6,266 41	\$4,508 89

EXHIBIT L.—Continued.

MONTH.	REPAIRS.						PERMANENT IMPROVEMENTS.	
	WARDEN HOUSE.		CELL HOUSE, SHOPS, ETC.		WATER, STEAM, GAS AND SEWERAGE.		Total of Repairs.	Total.
	Labor.	Material.	Labor.	Material.	Labor.	Material.		
1883.								
October.....	\$5 65	\$7 10	\$95 15	\$142 95	\$15 95	\$14 13	\$280 94	\$241 11
November.....	14 15	86 73	49 80	81 09	26 90	23 74	292 01	1,406 88
December.....	2 10	2 90	136 75	118 58	36 75	26 50	323 58	81 60
1884.								
January.....	24 05	29 68	147 55	252 46	35 65	27 16	516 55	161 76
February.....	20 00	4 19	20 15	35 68	65 85	264 00	409 43	84 00
March.....	36 75	27 37	84 20	167 90	44 10	48 05	408 37	170 53
April.....	67 00	102 41	24 50	29 91	53 90	124 80	402 52	75 00
May.....	89 00	47 87	44 90	74 40	29 70	46 66	352 53	961 05
June.....	291 80	157 97	171 85	222 07	136 20	184 29	1,154 12	529 32
July.....	35 40	22 96	134 15	84 82	61 00	190 14	516 52	353 10
August.....	70 00	43 94	65 00	52 46	11 50	21 62	288 02	6,080 16
September.....	10 90	11 12	63 40	127 66	136 85	269 25	609 18	733 55
Totals.....	\$667 40	\$543 24	\$1,087 40	\$1,390 64	\$626 85	\$1,240 30	\$3,498 50	\$7,350 26
Total (see Balance Sheet B).....							\$5,505 83	\$10,858 06
September 30, Amounts provided by appropriation of 33d General Assembly.....								1,491 17
Net Balance carried by Illinois State Penitentiary.....								\$9,363 89



G

EXHIBIT L.—Continued.

W. H. M. A. M. M. M.

EXHIBIT M.

Statement of Permanent Improvements made at the Illinois State Penitentiary during the fiscal year ending September 30, 1883.

Character of Improvement.	Where.	Amount.
New convict sidewalk	Yard	\$988 29
Foul air ducts	East and west wings	765 60
Putting gas in cells	East wing	941 67
Filling in outside and inside walls .....	.....	993 32
Iron shelves in cells	East wing	176 99
Pulleys, cleats and ropes for windows	East and west wings	45 00
Shed for new carriage	Stables	162 29
Water-closet	Hospital yard	31 98
Ventilators	Boot and shoe shops	30 25
Closet for school books	Library	31 30
Frame house for farm implements	Farm	149 34
New guard house	Farm	68 19
Platform for hard coal	West of west gate	108 71
Iron column and base	Convict kitchen	15 96
		\$4,508 89

EXHIBIT N.

Statement of Permanent Improvements made at the Illinois State Penitentiary during the fiscal year ending September 30, 1884.

Character of Improvement.	Where.	Amount.
Water-closet	Boot shop 5	\$39 75
Steam coils and trap	Library	66 51
Steam trap and connections	Warden house	20 25
New clatern	Green house	208 43
New bakery, chimney, flour and vegetable rooms	Convict kitchen	887 14
New oil tank and connections	Gas works	211 31
Blacksmith shop	Boot department	88 26
Sheet-iron ventilator on roof	Cooper shop 4	104 53
269 feet tubular iron fence	Front yard	240 00
Galvanized sheet-iron ventilating shaft, 45 feet high, for sewer	West side of stone shop 1	70 50
Permanent refrigerator in basement	Warden house	170 93
Wood fence	Farm	118 92
Two water-closets	Stone shops	63 98
Changing wash-room to store-room for state shops, convict discharge and reception-rooms		232 22
Brick coal-bin and concrete pavement in rear of	Warden house	71 62
House for gas tank No. 2	Gas works	299 94
Partition in guard's hall leading to basement	Warden house	68 11
Sewer from convict bakery to convict kitchen		29 65
Water connection from artesian well to west wing and stables		60 10
Two platforms at railroad depot	C. & A. R. R.	82 04
Water connection from artesian well to soaking tanks in New shed	Cooper department	139 27
New artesian well, coal, etc.	Granite shop	66 00
Changing north wing cell-house to bath-room, laundry and clothing-rooms	Reservoir	454 61
Laying Nicholson pavement		5,279 74
Platform No. 2 for hard coal	East and west wings	133 18
Extending main sewer in west yard to open basin	West gate	49 75
Six sheet-iron ventilating shafts for sewer, 45 ft. high		62 38
Filling in outside and inside walls		435 29
455 yards gravel, at 60c. per yard		830 65
		\$10,858 06

REMARK. — \$1,494.17 of the above amount has been provided for and applied to permanent improvements from appropriations made by the 33d General Assembly for general repairs and improvements.

EXHIBIT R.

Statement showing the issues of Clothing Department for Convict Clothing and Bedding, the aggregate expense of the same, and the average cost per convict per day and per month, during the fiscal year ending September 30, 1884.

ARTICLES.	Oct. 1883.	Nov. 1883.	Dec. 1883.	Jan. 1884.	Feb. 1884.	March 1884.	April. 1884.	May. 1884.	June. 1884.	July. 1884.	Aug. 1884.	Sept. 1884.	Total.
Coats.....No.	86	126	104	42	41	37	80	78	48	42	..	2	586
Vests....."	98	114	65	48	18	73	109	90	54	42	24	..	622
Pants....."	185	214	155	182	170	146	109	147	153	136	120	164	1,835
Shirts.....Doz.	246	320	10	8	4	8	6	6	8	8	6	3	81
Hickory shirts.....No.	515	320	..	289	..	265	371	226	318	..	313	239	2,587
Undershirts....."	..	35	30	..	30	..	..	31	18	..	..	..	1,035
Wool shirts....."	1,090	..	..	..	..	..	..	..	..	..	..	..	1,47
Drawers.....	125	112	78	48	132	72	52	36	123	102	49	66	1,040
Shoes.....Pairs	97	18	1	8	24	6	4	6	6	2	1	1	996
Boots....."	5	2	4	8	7	8	..	..	..	7	6	7	152
Soap.....Boxes	..	..	..	..	..	..	20	..	..	..	..	..	30
Barbers soap.....Burs	..	..	..	..	..	..	..	..	..	..	..	..	42
Potash.....Boxes	3	3	3	3	3	6	..	5	2	4	3	4	51
Spool linen....."	6	4	3	5	6	4	6	5	3	6	6	4	96
Spool cotton....."	12	12	..	14	..	..	6	12	6	12	18	3	23
Flax thread....."	2	3	..	4	2	1	..	6	3	2	..	..	2
Needles.....M	..	..	1	..	..	..	..	..	..	..	..	..	80
Combs.....Doz	12	6	6	6	10	14	..	6	8	6	6	..	2
Pant buttons.....Doz	1	2	1	1	..	..	..	..	1	1	1	2	11
Rocks.....Doz	114	131	10	10	10	13	1	9	9	1	1	..	292
Grass.....Yards	51	94	120	120	120	621	80	120	97	120	120	120	6,266
Cotton flannel.....	6,266	..	..	..	..	..	..	..	..	..	..	..	3,919
Duck....."	381	367	365	340	363	290	312	355	354	242	242	308	8,792
Hickory....."	801	1,031	1,076	959	245	939	..	797	1,057	1,043	1,049	..	2,762
Sheeting....."	..	1,110	..	..	..	1,157	..	..	120	150	..	..	2,043
Ticking....."	..	..	47	49	..	392	..	479	48	590	46	47	870
Muslin....."	345	163	..	108	..	112	53	60	111	47	109	107	100
Shoe nails.....Lbs.	..	25	17	20	..	..	..	38	..	..	..	..	..

Sole leather.....	Lbs.	218	310	326	230	210	259	514	218	210	234	221	2,827
Buck gloves.....	Pairs	36	12	12	48	60	24	.....	.....	.....	.....	.....	2,72
Buck mitts.....	Doz.	147	110	56	.....	.....	.....	.....	.....	.....	.....	.....	815
Wool mitts.....	Lbs.	1,080	11,370	7,160	.....	8,240	.....	8,435	.....	.....	.....	2,070	112
Shawls.....	Gro.	15	.....	62	250	240	220	690	955	14	960	225	93,305
Overcoats.....	Lbs.	330	.....	.....	50	4	.....	.....	.....	.....	.....	.....	81
Rubber boots.....	No.	4	9	4	1	3	.....	.....	.....	.....	.....	.....	2,810
Salt soda.....	Pairs.	4	9	4	1	3	.....	.....	.....	.....	.....	.....	50
Sundries, value.....		\$45.37	\$25.57	\$14.53	\$19.07	\$60.78	\$33.35	\$65.86	\$98.01	\$28.19	\$11.04	\$14.09	\$424.39
Total cost of supplies.....		2,672.82	2,704.60	1,524.67	1,153.22	1,240.17	1,105.92	\$775.29	1,315.20	1,105.78	711.82	758.09	15,857.54
Repairs tools and implements.....		41.70	2.20	3.70	3.74	95	35.50	2.75	27.78	1.62	3.50	3.16	150.10
Grand total.....		2,717.02	2,706.80	1,528.37	1,155.96	1,241.12	1,141.42	778.04	1,342.98	1,137.40	715.32	760.25	16,007.64
Total No. of days.....		41,737	41,410	42,877	42,400	40,709	44,683	43,123	45,058	46,514	46,283	44,111	523,209
Daily average No. of convicts.....		1,346	1,380	1,383	1,368	1,404	1,441	1,437	1,454	1,477	1,492	1,470	1,429
Average cost { Per man per month.....		\$2.02	\$1.82	.96	.86	.88	.79	.54	.92	.76	.48	.52	\$11.26
Average cost { Per man per day.....		6.51	6.54	3.10	2.73	3.05	2.55	1.80	2.98	2.40	1.78	1.72	3.08

EXH. BIT S.

Statement showing the Expense of Discharging Convicts from the Illinois State Penitentiary, for Discharge Clothing and Transportation, the average cost per prisoner discharged, and the average cost per Convict per day, during the two fiscal years ending September 30, 1894.

MONTHS.	DISCHARGE CLOTHING.												Total cost....	Sundry sup'lies	Suspenders, d'z	Collars, boxes..	Drawers, doz. pairs.....	Socks, doz. prs.	Shirting, yds...	Boots & shoes, pairs.....	Hats, dozen...	Caps, dozen....	Vests, number.	Pants, pairs....	Coats and over-coats.....	Number of prisoners discharged.....	Discharge and transportation...	Total discharge ex-penses.....	Average cost per prisoner discharged.....	Average cost per convict per day..																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1882	October.....	78	115	115	115	9	72	161	6	72	6	\$4.33	\$53.36	\$1,048 10	\$1,881 46	\$24 12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</

EXHIBIT T.

Statement of Contracts for Convict Labor (entered into by the Commissioners of the Illinois State Penitentiary) in force during the two fiscal years and expiring on or before September 30, 1882.

Contractors.	Date.	Manufacturing.	No. of men.	Rate per day.	Length of contract.	Remarks.
Selz, Schwab & Co.	1876 June 21..	Boots and shoes.....	250 40	cts	8 years from Sept. 1, 1876	Assigned from M. Selz & Co., March 12, 1878...
J. H. Winterbotham	1876 Aug. 16..	Cooperage and carriage work	50 45	"	" " April 2, 1877	Surrendered and new contract entered into, to take effect Oct. 1, 1881.....
Risser & Reitz.....	1879 Aug. 1..	Harness, saddles, collars, &c.	40 50	"	" " Aug. 1, 1879	.....
J. G. Mott.....	1876 April 1..	Monuments, granite work, &c.	40 50	"	" " April 1, 1876	.....
Henry C. Cullom....	1877 March 1..	Hosiery and clothing.....	50 43	"	" " March 1, 1877	Surrendered and new contract entered into, to take effect Oct. 1, 1884.....
Same	1881 Aug. 1..	" " " " " " " "	3 00 1/2	"	to March 1, 1885	.....
Same	" " " " " " " "	" " " " " " " "	2 46	"	" " " " " " " "	.....

EXHIBIT U.

Statement of Contracts for Convict Labor (entered into by the Commissioners of the Illinois State Penitentiary) in force from October 1, 1884.

Contractors.	Date.	Manufacturing.	No. of men.	Rate per day.	Length of contract.	Remarks.
J. H. Winterbotham.	1878 Sept. 19.	Cooperage, wagon and carriage w ^k and fence mat ^l	25 50	cts 8	8 years from Sept. 19, 1878	} 5 of the 25 men to be of light grade and paid for at one-half contract price. } Contract made to J. H. Winterbotham and G. A. Haley, the latter assigning his interest to J. H. Winterbotham. } Light grade men. } Contracted to April 2, 1885, at 45 cts. per man per day, and thereafter at 62½ cts. per day until expiration of contract.
Same.	1879 July 23.	Monuments and cutting stone for same.	40 56½	" 8	" " July 25, 1879	
Same.	1881 " 25.	Cooperage	84 60½	" 8	" " Aug. 1, 1881	
Same.	" 28.		10 46	" 8	" " Aug. 1, 1881	
Same.	1884 April 22.	Cooperage and granite work.	50 62¾	" 8	" " Oct. 1, 1884	
Same.	1884 April 22.	Granite and monumental w ^k	40 70½	" 8	" " " 1, "	
Selz, Schwab & Co.	1879 Aug. 1.	Boots and shoes	50 56¼	" 8	" " Aug. 1, 1879	
Same.	1881 July 28.		125 60½	" 8	" " " 1, 1881	
Same.	" 28.		17 60½	" 6	" " " 1, 1881	
Same.	" 28.		10 46	" 8	" " " 1, 1881	
Same.	1884 April 22.		50 70	" 8	" " Oct. 1, 1884	Light grade men
Same.	" 22.		200 65	" 8	" " " 1, "	
E. R. Brainard.	1879 July 25.	Marble and stone work.	150 51	" 8	" " Aug. 1, 1879	
Same.	1881	Cutting limestone, sandstone and marble	6 60½	" 8	" " " 1, 1881	
Same.	1881 " 28.	Cutting limestone, sandstone and marble.	7 46	" 8	" " " 1, 1881	Light grade men
Same.	1884 April 22.	Cutting stone and marble.	27 71	" 8	" " Oct. 1, 1884	
Riser & Reitz.	1881 July 28.	Harness, saddlery collars, &c	60 60½	" 8	" " Aug. 1, 1881	
Same.	" 28.		13 46	" 8	" " " 1, 1881	Light grade men
Same.	1884 April 22.	" " "	50 65	" 8	" " Oct. 1, 1884	
Ashley Wire Co.	1883 May 25.	Wire staples and barbed wire fence.	125 81	" 8	" " July 1, 1882	Assigned from J. R. Ashley, July 26, 1883.
H. C. Callom	1884 April 22.	Hosiery, knit goods, overalls, etc.	55 55	" 8	" " Oct. 1, 1884	

TABLES OF STATISTICS
ACCOMPANYING THE
WARDEN'S REPORT
OF THE
ILLINOIS STATE PENITENTIARY,
September 30, 1884.

No. 1.

Statement showing the number of Convicts in the Illinois State Penitentiary received, discharged, pardoned and otherwise released, died and escaped; also the highest, lowest and average number of convicts during each month, for the two years ending September 30, 1882.

MONTH.	RECEIVED.				RELEASED.				Convicts on hand at end of each month...		Convicts on hand during month.....		Daily average for month.....		Average number for year.....	
	From courts.....		Escaped convicts recaptured.....		Returned from Insane asylum.....		Ret'd from writs of habeas corpus.....		M.	F.	M.	F.	M.	F.	Lar-geat. est.	Sm'll. est.
	M.	F.	M.	F.	M.	F.	M.	F.								
1882 October 1.....	76	1	—	—	—	—	—	—	1421	25	1447	1438	1438	1438	1438	1438
.. October.....	96	1	—	—	—	—	—	—	1419	25	1463	1435	1446	1446	1446	1446
.. November.....	48	1	—	—	—	—	—	—	1411	23	1481	1455	1467	1467	1467	1467
.. December.....	44	1	—	—	—	—	—	—	1424	23	1473	1445	1453	1453	1453	1453
1883 January.....	59	1	—	—	—	—	—	—	1402	21	1438	1420	1429	1429	1429	1429
.. February.....	36	1	—	—	—	—	—	—	1402	21	1440	1422	1431	1431	1431	1431
.. March.....	51	1	—	—	—	—	—	—	1391	19	1406	1405	1405	1405	1405	1405
.. April.....	61	7	—	—	—	—	—	—	1391	19	1406	1405	1405	1405	1405	1405
.. May.....	60	8	—	—	—	—	—	—	1385	25	1427	1404	1404	1404	1404	1404
.. June.....	49	8	—	—	—	—	—	—	1385	25	1427	1404	1404	1404	1404	1404
.. July.....	67	8	—	—	—	—	—	—	1374	29	1424	1384	1402	1417	1417	1417
.. August.....	11	—	—	—	—	—	—	—	1306	29	1385	1355	1355	1355	1355	1355
.. September.....	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals.....	614	16	—	—	—	—	—	—	741	12	—	—	—	—	1426.50	1426.50

No. 1—Continued.

MONTH.	RECEIVED.				RELEASED.								Convicts on hand at end of each month...	Convicts on hand during month.....	Daily average for month.....	Average number for year			
	M. F.	M. F.	M. F.	M.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.					M. F.	Lar- gest. est.	Smill
From courts																			
Escaped convicts recaptured.....																			
Returned from insane asylum.....																			
Ret'd from writs of habeas corpus																			
Total in.....																			
Discharged at expiration of sentence.....																			
Pardoned.....																			
Escaped.....																			
Died.....																			
Sent to insane asylum.....																			
Out on superse- deas																			
Out on writ of habeas corpus..																			
Total out.....																			

1883	October.....	72	...	1	...	50	...	61	...	1319	29	1352	1388	1346.35
..	November.....	88	...	4	...	52	...	55	...	1357	28	1400	1346	1380.33
..	December.....	49	...	43	...	57	...	60	...	1346	27	1397	1372	1383.13
1884	January.....	43	2	4	...	42	...	49	...	1340	28	1379	1351	1367.74
..	February.....	101	3	106	...	35	...	38	...	1407	30	1437	1372	1403.76
..	March.....	59	2	1	...	33	...	66	...	1409	32	1456	1434	1441.39
..	April.....	31	6	9	...	33	...	48	...	1394	33	1443	1427	1437.43
..	May.....	81	1	6	...	39	...	47	...	1434	33	1467	1428	1453.49
..	June.....	63	3	8	...	47	...	54	...	1443	34	1486	1458	1477.47
..	July.....	54	1	1	...	31	...	36	...	1463	31	1514	1481	1500.45
..	August.....	20	2	2	...	38	...	40	...	1445	34	1510	1479	1492.35
..	September.....	59	2	2	...	53	...	59	...	1447	36	1483	1460	1470.36
Totals		720	21	30	754	22	540	13	...	613	15	...	...	1429.52

MONTH.

No. 2.

Statement showing the total and daily average of convicts working in the different departments of the Illinois State Penitentiary, and of those reported "Sick," "In Punishment" and "In Cell Idle," for each month of the fiscal year ending September 30, 1883.

Departments.	Oct., 1882.	Nov., 1882.	Dec., 1882.	Jan., 1883.	Feb., 1883.	Mar., 1883.	April, 1883.	May, 1883.	June, 1883.	July, 1883.	Aug., 1883.	Sept., 1883.	Total.	Daily average.	Per cent.
Harness department.....	2,931	2,822½	2,968½	3,169¾	2,716	3,020¾	2,673¾	2,710¾	2,584½	2,423	2,546	2,261½	32,820¼	106.69	7.5
Roof.....	7,235½	7,206½	7,333½	7,381¾	6,570¾	7,319¼	6,721¼	7,071	6,967½	6,615½	6,153½	6,255½	84,003¼	272.40	19.9
Shoe.....	4,435½	4,169¾	4,480½	4,801	4,273¾	4,562½	4,073	4,275½	4,390½	4,200½	4,598¾	4,652½	52,977¼	169.20	11.9
Copper.....	1,713¾	1,493½	1,436	1,571¾	1,397¾	1,586½	1,396½	1,492¾	1,483½	1,408	1,544	1,409¾	18,191½	58.1	4.1
Grocery.....	1,571¾	1,493½	1,436	1,571¾	1,397¾	1,586½	1,396½	1,492¾	1,483½	1,408	1,544	1,409¾	17,830¾	58.1	4.1
Stone.....	2,850¾	2,634¾	2,667½	2,813¾	2,384½	2,781¾	2,513½	2,683½	2,620½	2,483¾	2,690	2,200½	31,203	101.20	7.1
Marble.....	1,813	1,813¾	1,741½	1,831¾	1,546½	1,781¾	1,613½	1,680¾	1,690	1,680	1,854¾	1,565½	20,730½	67.30	4.7
Wire.....	3,691	2,813¾	2,756½	2,901¾	2,743¾	3,389¾	3,084	3,269	3,222	3,203	3,371	2,971	36,528½	116.20	8.2
Knitting.....	1,440	1,285	1,160¾	1,263½	1,111½	1,223½	1,199	1,294½	1,256	1,240¾	1,324	1,212	14,967	48.80	3.4
Total days for contractors.....	30,109½	29,018¾	29,618¾	31,305½	27,411¾	30,776¾	28,070¾	29,365	29,041½	27,820¾	29,831½	26,578	348,943½	1,128.70	79.2
State runners in contract shops.....	699	769	681½	715	690	669	640	709½	703½	637½	714½	660½	8,161	26.50	1.9
State shops.....	1,053½	1,019	984	1,054¾	882	1,000	942	978	953½	901	1,011½	1,025	11,842	38.50	2.7
Stables.....	519	462½	462	433¾	433¾	515	511	556½	514½	525	567	520	6,139	20.1	1.4
Yard.....	1,042	969¾	939¾	1,083¾	964½	1,067	1,076½	1,111	1,039½	1,014½	1,129½	1,035	12,476¾	41.50	2.9
Store and farm.....	420	358	329	320	284	278	306½	372½	492	492	373	338	4,003½	15	1.1
Convict kitchen.....	410	385	386	389	345	392½	348½	472½	387	373	392	348	4,531½	14.80	1.1
Washroom and clothing room.....	415	402½	425	408	437	459	405½	406	431½	390	415	400	5,054½	16.50	1.1
Cellhouses.....	797½	743½	727½	801¾	719	797½	708½	767	731½	732	783	741	9,069½	29.50	2.1
Ho-nital.....	130	125	125	135	120	135	124	126½	130	125	135	197	1,517½	5	0.3
Warden house.....	911	863½	873	981¾	862	1,001	919	987½	919	870	958	855½	10,981	36	2.5
Female prison.....	639	438½	266½	606½	531	575	499	562½	681	685	732	690	6,916	22.50	1.6
Total days worked.....	37,151	35,522½	35,828¾	38,385	33,591¾	37,665	34,611¾	36,410	36,078¾	34,582¾	37,122	33,298	430,285¾	1,394.50	97.7
Sick.....	365¾	245	357½	522¾	647¾	689¾	659¾	641½	625½	511¾	483	298¾	5,947¾	19.30	1.4
Punished.....	110½	105	106½	214	131	121¾	165	176½	148½	160	77¾	139¾	1,655¾	5.40	0.4
Cell idle.....	184½	330¾	300¾	401¾	147	155¾	111½	121¾	149½	186	189¾	146¾	2,241¾	7.30	0.5
Sundays and holidays.....	7,251	7,258	8,806	5,811	5,747	5,724	7,101	6,344	5,673	8,508	5,613	6,782	90,462	*	*
Grand total days.....	45,083	43,461	45,500	45,050	40,264	44,346	42,648	43,693	42,575	43,948	43,485	40,665	520,698	1,426.50	100.

REMARK: **Sundays and Holidays" not included in Daily Average and Per cent. A. 348,943½ days or 67.01% of grand total for contract work.
 B. 81,292½ days, or 15.61% of grand total for State work.
 C. 90,462½ days, or 17.38% of grand total for idle (Sundays and holidays included).

Grand total, 520,698 days.

No. 8.

Statement showing the total and daily average of convicts working in the different departments of the Illinois State Penitentiary, and of those reported "Sick," "In Punishment," and "In Cell Idle," for each month of the fiscal year ending September 30, 1884.

Departments.	Oct. 1883.	Nov. 1883.	Dec. 1883.	Jan. 1884.	Feb. 1884.	Mar. 1884.	April 1884.	May 1884.	June 1884.	July 1884.	Aug. 1884.	Sept. 1884.	Total.	Daily ave. ge.	Per cent.
Harness department	2,554	2,386 $\frac{3}{4}$	2,362 $\frac{3}{4}$	2,559 $\frac{3}{4}$	2,618 $\frac{3}{4}$	2,781	2,705	2,822 $\frac{3}{4}$	2,653 $\frac{3}{4}$	2,814 $\frac{3}{4}$	2,663 $\frac{3}{4}$	2,402 $\frac{3}{4}$	31,418 $\frac{3}{4}$	101.30	7.5
Boot	6,571 $\frac{1}{4}$	6,221 $\frac{1}{4}$	6,199	6,641 $\frac{1}{4}$	6,470 $\frac{1}{4}$	6,787	6,616 $\frac{1}{4}$	6,892 $\frac{1}{4}$	6,601 $\frac{1}{4}$	7,014 $\frac{1}{4}$	6,826 $\frac{1}{4}$	5,080 $\frac{1}{4}$	79,530 $\frac{1}{4}$	255.10	17.9
Shoe	4,380 $\frac{1}{4}$	4,200 $\frac{1}{4}$	4,371 $\frac{1}{4}$	4,676 $\frac{1}{4}$	4,463 $\frac{1}{4}$	4,787	4,617	4,800 $\frac{1}{4}$	4,590 $\frac{1}{4}$	5,000 $\frac{1}{4}$	4,800 $\frac{1}{4}$	4,369 $\frac{1}{4}$	53,744 $\frac{1}{4}$	179.50	12.5
Cooper	4,309 $\frac{1}{4}$	4,579 $\frac{1}{4}$	4,700 $\frac{1}{4}$	4,962	4,630	4,911 $\frac{1}{4}$	4,877	5,042 $\frac{1}{4}$	4,755 $\frac{1}{4}$	5,074 $\frac{1}{4}$	5,004 $\frac{1}{4}$	4,342 $\frac{1}{4}$	58,290 $\frac{1}{4}$	187.70	13.1
Granite	2,418	2,327	2,275	2,374 $\frac{1}{4}$	2,267 $\frac{1}{4}$	2,445	2,303 $\frac{1}{4}$	2,403 $\frac{1}{4}$	2,149	2,518 $\frac{1}{4}$	2,580 $\frac{1}{4}$	1,591 $\frac{1}{4}$	16,865	54.30	3.8
Stone	1,498	1,837	1,750 $\frac{1}{4}$	2,424 $\frac{1}{4}$	2,216 $\frac{1}{4}$	2,445	1,903 $\frac{1}{4}$	2,385 $\frac{1}{4}$	2,024 $\frac{1}{4}$	2,633 $\frac{1}{4}$	2,623 $\frac{1}{4}$	1,591 $\frac{1}{4}$	29,547	95.00	6.6
Marble	1,842 $\frac{1}{4}$	1,770 $\frac{1}{4}$	1,750 $\frac{1}{4}$	1,878	1,822	1,943 $\frac{1}{4}$	1,911 $\frac{1}{4}$	2,021 $\frac{1}{4}$	1,961	2,046 $\frac{1}{4}$	2,046 $\frac{1}{4}$	1,937 $\frac{1}{4}$	29,547	95.00	6.6
Wire	3,067 $\frac{1}{4}$	2,911	3,052 $\frac{1}{4}$	3,243 $\frac{1}{4}$	3,091 $\frac{1}{4}$	3,360 $\frac{1}{4}$	3,424	3,540 $\frac{1}{4}$	3,201 $\frac{1}{4}$	3,558 $\frac{1}{4}$	3,411 $\frac{1}{4}$	3,213 $\frac{1}{4}$	34,931 $\frac{1}{4}$	125.40	8.8
Knitting	1,359	1,305 $\frac{1}{4}$	1,284	1,330 $\frac{1}{4}$	1,300 $\frac{1}{4}$	1,340	1,300	1,377	1,252 $\frac{1}{4}$	1,351 $\frac{1}{4}$	1,311 $\frac{1}{4}$	1,357 $\frac{1}{4}$	16,021 $\frac{1}{4}$	51.60	3.6
Total days for contractors	28,606 $\frac{3}{4}$	27,142 $\frac{3}{4}$	27,285 $\frac{1}{4}$	29,157 $\frac{1}{4}$	27,814	29,497	29,249 $\frac{1}{4}$	30,373 $\frac{1}{4}$	29,070 $\frac{1}{4}$	30,853 $\frac{1}{4}$	30,535 $\frac{1}{4}$	29,731 $\frac{1}{4}$	349,320 $\frac{1}{4}$	1,125.00	79
State runners in contract shops ..	696	677	645 $\frac{1}{4}$	693 $\frac{1}{4}$	674	699	697 $\frac{1}{4}$	712 $\frac{1}{4}$	672 $\frac{1}{4}$	692 $\frac{1}{4}$	677 $\frac{1}{4}$	612 $\frac{1}{4}$	8,185	26.40	1.8
State shops	1,038	1,010 $\frac{1}{4}$	946 $\frac{1}{4}$	1,075	1,002 $\frac{1}{4}$	1,088	960	991	932	981 $\frac{1}{4}$	981 $\frac{1}{4}$	984 $\frac{1}{4}$	11,815 $\frac{1}{4}$	38.10	2.7
Stables	1,531 $\frac{1}{4}$	1,500 $\frac{1}{4}$	1,494 $\frac{1}{4}$	1,539	1,497 $\frac{1}{4}$	1,558	1,514 $\frac{1}{4}$	1,555	1,519	1,546	1,516	1,516	18,765 $\frac{1}{4}$	59.50	4.1
Yard	1,046 $\frac{1}{4}$	891 $\frac{1}{4}$	872 $\frac{1}{4}$	1,001 $\frac{1}{4}$	878 $\frac{1}{4}$	1,003 $\frac{1}{4}$	961 $\frac{1}{4}$	912	972	1,141 $\frac{1}{4}$	1,158	1,190	11,997 $\frac{1}{4}$	38.00	2.7
Store and farm	1,336	901	900	283 $\frac{3}{4}$	250 $\frac{1}{4}$	210 $\frac{1}{4}$	358	321	474	515	531	1,620	4,483 $\frac{1}{4}$	14.40	1.1
Con. let kitchen	416	379 $\frac{1}{4}$	380	411	373 $\frac{1}{4}$	431 $\frac{1}{4}$	416	430	422	456	462	465	5,042 $\frac{1}{4}$	16.20	1.1
Wash-rooms and clothing-room ..	432	431	404	474	450 $\frac{1}{4}$	487 $\frac{1}{4}$	494	501 $\frac{1}{4}$	475	491	481	472	5,151 $\frac{1}{4}$	18.20	1.2
Cell-houses	793 $\frac{1}{4}$	744	761	794	749 $\frac{1}{4}$	824 $\frac{1}{4}$	874	904 $\frac{1}{4}$	769 $\frac{1}{4}$	790	792	830	9,620 $\frac{1}{4}$	31.00	2.1
Hospital	107 $\frac{1}{4}$	100	124 $\frac{1}{4}$	135	125	127	130	134 $\frac{1}{4}$	125	130	130	131	1,419	4.80	0.3
Warden house	886 $\frac{1}{4}$	886 $\frac{1}{4}$	900 $\frac{1}{4}$	958	883	882	911 $\frac{1}{4}$	929 $\frac{1}{4}$	835	910	853 $\frac{1}{4}$	881	10,819 $\frac{1}{4}$	34.90	2.4
Female prison	755	703	677	748	704	791	815	853	830	881	877	907	9,515	30.60	2.1
Total days worked	35,703 $\frac{3}{4}$	33,775 $\frac{1}{4}$	33,903 $\frac{3}{4}$	36,280	34,483 $\frac{1}{4}$	36,515 $\frac{1}{4}$	36,411 $\frac{1}{4}$	37,620 $\frac{1}{4}$	36,106 $\frac{1}{4}$	38,321 $\frac{1}{4}$	37,971 $\frac{1}{4}$	37,263 $\frac{1}{4}$	434,315 $\frac{1}{4}$	1,398.70	97.8
Sick	253 $\frac{1}{4}$	411 $\frac{1}{4}$	411 $\frac{1}{4}$	386 $\frac{1}{4}$	387 $\frac{1}{4}$	693 $\frac{1}{4}$	601 $\frac{1}{4}$	622 $\frac{1}{4}$	589 $\frac{1}{4}$	553 $\frac{1}{4}$	671 $\frac{1}{4}$	773 $\frac{1}{4}$	6,141 $\frac{1}{4}$	19.80	1.4
Punished	2181 $\frac{1}{4}$	189 $\frac{1}{4}$	153 $\frac{1}{4}$	151 $\frac{1}{4}$	129	173 $\frac{1}{4}$	174 $\frac{1}{4}$	164 $\frac{1}{4}$	106	111	103 $\frac{1}{4}$	129 $\frac{1}{4}$	1,731 $\frac{1}{4}$	5.80	0.4
Cell idle	4,024	181 $\frac{1}{4}$	115 $\frac{1}{4}$	157 $\frac{1}{4}$	140 $\frac{1}{4}$	182 $\frac{1}{4}$	177 $\frac{1}{4}$	174 $\frac{1}{4}$	103 $\frac{1}{4}$	81	75	100	1,762 $\frac{1}{4}$	5.50	0.4
Sundays and holidays	3,393	6,909	8,272	5,475	5,589	7,263	5,151	6,512	7,383	7,491	7,454	5,881	79,383	260	19.4
Grand total days	41,737	41,410	42,877	42,400	40,709	44,683	43,123	45,038	44,324	46,514	46,263	44,111	523,209	1,429.50	100

REMARK: * "Sundays and Holidays" not included in Daily Average and Per cent. A. 349,320 $\frac{1}{4}$ days, or 66.77 % of grand total for contract work.

B. 84,975 $\frac{1}{4}$ days, or 16.25 % of grand total for State work.

C. 88,583 $\frac{1}{4}$ days, or 16.98 % of grand total for idle (Sundays and holidays included).

Grand total. 523,209 days.

No. 4.

Table showing the number of convicts from the different counties of the State, received at the Illinois State Penitentiary during the two fiscal years ending September 30, 1884; also the number of convicts from each county on hand September 30, 1884.

County.	October 1, 1882, to Sept. 30, 1883.		October 1, 1883, to Sept. 30, 1884.		Number on hand.	
	Receiv'd	Per cent	Receiv'd	Per cent	On hand	Per cent
Adams	28	4.44	21	2.81	59	3.98
Alexander					4	0.27
Bond					3	0.20
Boone			4	0.54	12	0.80
Brown			1	0.13	1	0.07
Bureau	2	0.32	1	0.13	4	0.27
Calhoun					2	0.14
Carroll	1	0.16	4	0.54	3	0.20
Cass	4	0.64	2	0.27	6	0.40
Champaign	6	0.96	20	2.68	28	1.88
Christian					3	0.20
Clark			4	0.54	4	0.27
Clinton					1	0.07
Coles					3	0.20
Cook	248	39.37	309	41.44	597	40.28
Crawford			2	0.27	3	0.20
Cumberland			3	0.40	3	0.20
DeKalb	4	0.64	8	1.07	13	0.87
De Witt	8	1.28	8	1.07	14	0.94
DiPage	6	0.96	4	0.54	6	0.40
Edgar			1	0.13	3	0.20
Fayette					1	0.07
Ford	3	0.44	4	0.54	6	0.40
Fulton	7	1.12	13	1.74	17	1.15
Gallatin					4	0.27
Greene			2	0.27	3	0.20
Grundy	2	0.32	2	0.27	6	0.40
Hamilton					2	0.14
Hancock	11	1.73	5	0.67	15	1.01
Henderson	3	0.48	6	0.81	12	0.80
Henry	10	1.57	2	0.27	10	0.67
Iroquois	4	0.64	1	0.13	5	0.34
Jasper			2	0.27	2	0.14
Jackson					7	0.47
Jefferson					1	0.07
Jersey					2	0.14
JoDavies	2	0.32	3	0.40	6	0.40
Kane	7	1.12	7	0.94	17	1.15
Kankakee	4	0.64	3	0.40	11	0.74
Kendall			2	0.27	2	0.14
Knox	14	2.22	17	2.28	31	2.09
Lake	10	1.57	4	0.54	6	0.45
LaSalle	10	1.57	10	1.34	24	1.62
Lee	8	1.28	5	0.67	12	0.80
Livingston	9	1.43	8	1.07	10	0.67
Logan	5	0.80	11	1.47	16	1.07
McDonough	10	1.57	1	0.13	8	0.54
McHenry	5	0.80	2	0.27	4	0.27
McLean	11	1.73	10	1.34	17	1.15
Macon	9	1.43	17	2.28	32	2.16
Macoupin			7	0.94	9	0.61
Madison					3	0.20
Marshall	2	0.32	4	0.54	4	0.27
Mason	2	0.32	7	0.94	15	1.01
Massac					1	0.07
Menard			1	0.13	1	0.07
Mercer	1	0.16	1	0.13	2	0.14
Montgomery					3	0.20
Morgan	12	1.89	12	1.61	19	1.29
Moultrie					1	0.07
Ogle	5	0.80			2	0.14
Peoria	17	2.70	27	3.62	44	2.97
Platt	1	0.16	11	1.47	14	0.94
Pike	4	0.64	3	0.40	8	0.54
Pope					1	0.07
Randolph					1	0.07

No. 4—Continued.

County.	October 1, 1882, to Sept. 30, 1883.		October 1, 1883, to Sept. 30, 1884.		Number on hand.	
	Receiv'd	Per cent	Receiv'd	Per cent	On hand	Per cent
Rock Island.....	15	2.37	13	1.74	27	1.82
St. Clair.....					6	0.40
Saline.....					1	0.07
Sangamon.....	34	5.40	27	3.62	57	3.84
Schuyler.....	2	0.32	2	0.27	5	0.34
Scott.....	6	0.96	3	0.40	7	0.47
Stephenson.....	6	0.96	8	1.07	11	0.74
Tazewell.....	2	0.32	10	1.34	15	1.01
Union.....					2	0.14
Vermillion.....	11	1.73	21	2.82	31	2.09
Warren.....			4	0.54	7	0.47
Washington.....					2	0.14
Wayne.....					1	0.07
White.....					1	0.07
Whiteside.....	15	2.37	8	1.07	20	1.35
Will.....	9	1.43	19	2.55	41	2.75
Winnebago.....	9	1.43	12	1.61	14	0.94
Woodford.....	3	0.48	1	0.13	5	0.34
United States—Southern District, Illinois.....					2	0.14
United States—Northern District, Illinois.....			1	0.13	1	0.07
United States—Western District, Wisconsin.....					1	0.07
Wyoming Territory.....	23	3.65	15	2.00	37	2.50
Totals.....	630	100.00	746	100.00	1,483	100.00

No. 5.

Statement showing the length of sentences of Convicts received in the Illinois State Penitentiary during the two fiscal years ending September 30, 1884, and sentences of convicts on hand September 30, 1884; the percentage of sentences compared with the number of convicts received, and the grand total of years in sentences.

SENTENCES.		FROM OCT. 1, 1882, TO SEPT. 30, 1883.				FROM OCT. 1, 1883, TO SEPT. 30, 1884.				ON HAND SEPTEMBER 30, 1884.			
Years.	Months.	Number.	Per cent.	Grand total of years in sentences.		Number.	Per cent.	Grand total of years in sentences.		Number.	Per cent.	Grand total of years in sentences.	
				Years.	Months.			Years.	Months.			Years.	Months.
1	6	218	31.60	218	.....	1	0.13	264	6	233	15.63	233	.....
1	3	3	0.43	3	.....	264	35.39	1	2	1	0.07	1	2
1	1	1	0.16	1	.....	1	0.13	3	3	4	0.27	5	.....
1	4	36	5.71	64	.....	3	0.40	3	9	1	0.07	1	4
1	1	1	0.16	1	.....	2	0.27	2	8	1	0.07	1	.....
1	7	1	0.16	1	.....	30	4.03	45	.....	46	3.10	69	.....
1	10	1	0.16	1	.....	7	.....	.....	.....	1	0.07	1	7
2	3	106	16.82	212	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	6	3	0.43	6	.....	113	15.15	236	.....	183	12.26	364	.....
2	9	11	1.73	27	.....	9	1.21	23	6	19	1.29	47	.....
3	3	93	14.76	279	.....	120	16.09	360	.....	246	16.58	733	.....
3	6	1	0.16	3	.....	1	0.13	3	3	1	0.07	3	.....
3	3	3	0.43	10	.....	2	0.27	7	.....	1	0.07	3	.....
3	10	28	4.44	112	.....	1	0.13	3	10	7	0.47	24	.....
4	4	2	0.32	9	.....	23	3.09	93	.....	1	0.07	3	.....
4	8	1	0.16	4	.....	3	0.40	13	6	79	5.33	316	.....
4	11	1	0.16	4	.....	1	0.13	4	8	6	0.40	27	.....
5	5	49	7.73	245	.....	.....	.....	.....	.....	3	0.14	9	.....
5	6	1	0.16	5	.....	48	6.43	240	.....	165	11.12	825	.....
5	11	1	0.16	5	.....	.....	.....	.....	.....	2	0.14	11	.....
5	6	12	1.89	72	.....	17	2.28	102	.....	59	0.07	364	.....
6	6	11	1.73	77	.....	13	1.74	91	.....	47	0.07	329	.....
7	3	6	0.96	48	.....	14	1.88	7	3	1	0.07	7	.....
8	3	.....	.....	.....	.....	.....	.....	.....	.....	34	2.29	273	.....
8	6	.....	.....	.....	.....	.....	.....	.....	.....	1	0.07	8	.....

No. 5.—Continued.

SENTENCES.		FROM OCT. 1, 1882, TO SEPT. 30, 1883.			FROM OCT. 1, 1883, TO SEPT. 30, 1884.			ON HAND SEPTEMBER 30, 1884.		
Years.	Months.	Number.	Per cent.	Grand total of years in sentences.	Number.	Per cent.	Grand total of years in sentences.	Number.	Per cent.	Grand total of years in sentences.
				Years.			Years.			Years.
				Months.			Months.			Months.
9		3	0.48	27	.....	4	0.54	36	.....	135
10		1	0.16	9	.....	.....	.....	.....	1.01	9
11		14	2.22	140	.....	25	3.35	250	5.94	890
12		1	0.16	11	.....	.....	0.27	23	0.31	55
13						2	0.81	72	1.21	216
14						6	0.27	26	0.34	65
15		3	0.48	43	.....	2	0.54	56	2.9	476
16		7	1.12	105	.....	4	0.94	105	1.75	390
17		1	0.16	16	.....	7	.....	.....	0.07	15
18									0.40	96
19		1	0.16	17	.....	.....	0.13	17	0.47	16
20						1	.....	.....	0.07	16
21		2	0.32	40	.....	.....	0.27	38	0.30	57
22						14	1.88	280	2.42	728
23		1	0.16	22	.....	.....	.....	.....	0.26	63
24									0.14	44
25		1	0.16	21	.....	.....	.....	.....	0.07	25
26		1	0.16	25	.....	.....	0.13	25	0.20	32
27						1	0.13	27	0.94	350
28										
29										
30									0.07	30
31									0.07	32
32						1	0.13	33	0.07	33
33									0.14	68
34						1	0.13	35	0.14	70
35		1	0.16	35	.....	.....	.....	.....	0.07	40
36									0.07	48
37									0.07	48
38						1	0.13	50	0.14	100
39						6	0.81	.....	3.93	.....
40		4	0.64	.....	.....	.....	.....	.....	.....	.....
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
Life		680	100.00	1,924	11	746	100.00	2,576	100.00	7,912
										10

Average sentences of convicts received October 1, 1882, to September 30, 1883, three years and twenty-seven days.

Average sentences of convicts received October 1, 1883, to September 30, 1884, three years, seven months and twelve days.

Average sentences of convicts on hand September 30, 1884, five years, six months and twenty days.

"Life-time" prisoners not included.

No. 6.

Statistical table of Crime committed by Convicts received at the Illinois State Penitentiary during the two fiscal years ending September 30, 1884, and Convicts on hand September 30, 1884.

CRIMES.	Oct. 1, 1882. to Sept. 30, 1883.	Oct. 1, 1883. to Sept. 30, 1884.	On hand Oct. 1, 1884.	
	Against person..	Against property	Against person..	Against property
Abduction.....		2	3	13
Arson.....	5		6	
Assault to burglary.....			2	
Assault to commit larceny.....			1	
Assault to do bodily injury.....			1	
Assault to kill and murder.....	16	27	5	
Assault to rape.....	10	9	21	
Assault to rob.....	2	3	7	
Attempted burglary.....	2			
Attempted confidence game.....	2			2
Attempt to procure abortion.....		1	1	
Bizarrty.....		5	5	
Burglary.....	171	5	227	379
Burglary and assault to kill.....			3	
Burglary and assault to 'rape.....	1	1	3	
Burglary and larceny.....	96		113	196
Burglary and larceny and arson.....				3
Burglary and receiving stolen goods.....			1	1
Confidence game.....	1			3
Conspiracy.....	4		5	9
Count-ritting.....				2
Crime against nature.....	2		1	
Cruelty to children.....		1	1	
Embezzlement.....	4			6
Forgery.....	27		19	39
Grand larceny.....	19		36	42
Having in possession burglars' tools.....	2			1
Horse stealing.....	11		18	42
Incest.....		1		
Larceny.....	156		163	279
Larceny as bailee.....	2			3
Larceny and assault to murder.....	1			
Larceny and murder.....			1	
Larceny and receiving stolen property.....	1		2	4
Larceny from U. S. postoffice.....				1
Malicious mischief.....	8		1	2
Manslaughter.....	16			
Mayhem.....	2	10	36	
Murder.....	10	2	3	
Murder.....		15	132	
Passing etc., fictitious notes, checks, etc.....	4		2	6
Passing and hav'g in pos'n U.S. counterfeit coin.....	1		2	2
Perjury.....	1	2		
Per-suading another.....		1		
Rape.....	5	6		
Receiving stolen property.....			1	3
Robbery.....	49		52	114
Robbery and assault to rob.....	1			2
Robbery and burglary.....				9
Robbery and larceny.....	3		4	10
Swindling by sleight of hand.....			1	1
Violating postal laws.....			1	1
Total.....	67	563	308	1,175

No. 6—*Continued.*

RECAPITULATION.

CRIMES.	Received Oct. 1 1883, to Sept. 30, 1883.		Received Oct. 1, 1883, to Sept. 30, 1884.		On hand Oct. 1, 1884.	
	Number..	Per cent..	Number..	Per cent..	Number..	Per cent..
Total of crimes against person.....	67	10.63	86	11.53	308	20.77
Total of crimes against property.....	563	89.37	660	88.47	1,175	79.23
Grand total.....	630	100.00	746	100.00	1,483	100.00

No. 7.

Comparative Table of Sentences and Crimes, showing their relative connection to the number of convicts on hand in the Illinois State Penitentiary, September 30, 1894.

CRIMES.	SENTENCES.											Total on hand.
	One year.	Between one and two yrs.	Two yrs. and fract'ns	Three yrs. and fract'ns	Four yrs. and fract'ns	Five yrs. and fract'ns	Six, 7, 8 and 9 yrs. and fract'ns	Ten yrs. and fract'ns	Eleven to 14 yrs. and fract'ns	Fifteen to 20 yrs. inclusive	Over twenty and less than life.	
Abduction.....	2			1	2	1	8	1				8
Arson.....				1		1						13
Assault to burglary.....				1		1						2
Assault to commit larceny.....							1					1
Assault to do bodily injury.....	8	1										1
Assault to kill and murder.....			7	6	2	11	9	5	4		1	53
Assault to rape.....				3	2	6	4	3	4			21
Assault to rob.....				2		1	3		1			7
Attempted confidence game.....	2											2
Attempted confidence game.....		1										1
Attempt to procure abortion.....		2										1
Bribery.....	71	14	75	56	21	46	35	17	11	30		379
Burglary.....							1					5
Burglary and assault to kill.....												3
Burglary and assault to rape.....												2
Burglary and larceny.....	33	7	42	42	22	21	14	6	1	7	1	196
Burglary and larceny and arson.....												3
Burglary and receiving stolen goods.....			1					2	1	2		9
Confidence game.....							1					1
Conspiracy.....	3	1	1	4								9
Counterfeiting.....								1		1		2
Crime against nature.....						1						1
Cruelty to children.....	1											1
Embezzlement.....	2	1					1	2				6
Forgery.....	11	1	2	5	6	7	7			1		39
Grand larceny.....	12	1	6	12	4	3	3		1			42
Having in possession burglars tools.....					1							1
Horse stealing.....		1		19	1	7	7	3	3	1	1	42
Incest.....												5
Larceny.....	62	15	47	75	13	25	24	14	1	1	1	279
Larceny as bailee.....						1						3
Larceny and assault to murder.....	1		1									1
Larceny and murder.....										1		1
Larceny and receiving stolen property.....					1		2	1				4

No. 8.

Statistical Table of the Nativity of Convicts received at the Illinois State Penitentiary during the two fiscal years ending September 30, 1884, and on hand September 30, 1884.

NATIVITY.	Rec'd Oct. 1, 1882, to Sept. 30, 1881			Rec'd Oct. 1, 18-3, to Sept. 30, 1884.			On hand October 1, 1881.		
	Received.	Total.....	Per cent..	Received	Total.....	Per cent.	On hand..	Total.....	Per cent..
<i>United States.</i>									
Alabama.....	2			1			4		
Arkansas.....	3			6			3		
California.....	5			8			12		
Connecticut.....	6						11		
Delaware.....	1						2		
District of Columbia.....				3			5		
Florida.....	1			1			3		
Georgia.....	1			1			5		
Illinois.....	144			204			305		
Indiana.....	23			31			83		
Iowa.....	6			9			23		
Kansas.....	1			1			4		
Kentucky.....	15			24			42		
Louisiana.....	8			5			16		
Maine.....	3			2			6		
Maryland.....	5			6			10		
Massachusetts.....	15			13			29		
Michigan.....	7			11			24		
Minnesota.....				2			1		
Mississippi.....	1			3			8		
Missouri.....	31			37			88		
Nebraska.....	1						2		
New Hampshire.....	1			1			4		
New Jersey.....	6			2			7		
New York.....	76			83			139		
North Carolina.....	8						11		
Ohio.....	34			49			82		
Oregon.....	1						1		
Pennsylvania.....	34			39			75		
Rhode Island.....	1			1			6		
South Carolina.....	1						7		
Tennessee.....	4			12			17		
Texas.....	2			4			6		
Utah.....							2		
Vermont.....	2			2			3		
Virginia.....	8			10			28		
West Virginia.....	3			1			4		
Wisconsin.....	15			16			33		
Unknown.....							4		
Totals.....		474	75.24		588	78.82		1,114	75.12

No. 8—Continued.

NATIVITY.	Rec'd Oct. 1, 1882, to Sept. 30, 1883.			Rec'd Oct. 1, 1883, to Sept. 30, 1884.			On hand October 1, 1884.		
	Re ce ved.	Tot	Per cent..	Re ce ived..	Tot	Per cent..	On hand..	Tot	Per cent..
<i>Foreign.</i>									
Austrian States.....	3	.....	.....	3	.....	.....	14	.....	.....
Belgium.....	.....	.....	.....	2	.....	.....	2	.....	.....
Canada and British North America...	26	.....	.....	22	.....	.....	68	.....	.....
China.....	1	.....	.....	1	.....	.....	2	.....	.....
Denmark.....	.....	.....	.....	1	.....	.....	3	.....	.....
East and West Indies.....	2	.....	.....	.....	.....	.....	2	.....	.....
England and Wales.....	20	.....	.....	30	.....	.....	58	.....	.....
France.....	2	.....	.....	3	.....	.....	11	.....	.....
Germany.....	42	.....	.....	43	.....	.....	82	.....	.....
Holland.....	1	.....	.....	3	.....	.....	2	.....	.....
Ireland.....	29	.....	.....	30	.....	.....	69	.....	.....
Isle of Man.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Italy.....	1	.....	.....	.....	.....	.....	2	.....	.....
Poland.....	.....	.....	.....	1	.....	.....	3	.....	.....
Portugal.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Russia.....	3	.....	.....	1	.....	.....	3	.....	.....
Scotland.....	9	.....	.....	7	.....	.....	22	.....	.....
Spain.....	.....	.....	.....	1	.....	.....	1	.....	.....
Sweden and Norway.....	16	.....	.....	10	.....	.....	23	.....	.....
Turkey.....	1	.....	.....	.....	.....	.....	1	.....	.....
Total Foreign.....	.....	156	24.76	.....	158	21.18	.....	369	24.88
Grand total.....	.....	630	100.00	.....	746	100.00	.....	1,463	100.00

No. 9.

Statistical Table of former occupations of Convicts received in the Illinois State Penitentiary during the two fiscal years ending September 30, 1884, and the number on hand September 30, 1884.

OCCUPATIONS.	Received.		On hand Sept. 30, 1884.
	Oct. 1, 1882, to Sept. 30, 1883.	Oct. 1, 1883, to Sept. 30, 1884.	
Actors.....	22	1	3
Agents.....	2	3	6
Artists.....	1	1	2
Baggagemen.....	1	1	4
Bakers.....	6	5	15
Barbers.....	10	13	44
Barkeepers.....	3	7	7
Bell-boys.....	1	4	5
Blacksmiths.....	5	8	23
Boatmen.....	1		
Boat-builders.....		1	1
Boiler-makers.....		1	2
Book-binders.....			2
Book-keepers.....	13	12	30
Boot-blacks.....	1		2
Boot-siders.....		2	1
Box-nailers.....	1	1	5
Box-makers.....		1	1
Brakemen.....	18	17	32
Brass-polishers.....	2		1
Brewers.....			2
Bricklayers.....	1		2
Brick makers.....		6	7
Broom makers.....	3		3
Brush makers.....		2	4
Butchers.....	14	16	37
Cabin boys.....			1
Cabinet-makers.....	2	3	6
Candy-makers.....	3	2	2
Carpenters.....	13	10	34
Carriage-makers.....			1
Chair-makers.....	1	4	6
Chemists.....			1
Cigar-makers.....	6	5	19
Civil-engineers.....	1		1
Clerks.....	16	16	37
Collectors.....		1	1
Coachmen.....	3	1	3
Cooks.....	12	9	35
Coopers.....	7	7	30
Cow-boys.....	3	5	10
Cutters.....	1		
Dentists.....	2		3
Druggists.....	2	1	5
Dyers.....		2	2
Electroplaters.....			1
Engineers.....	2	12	23
Expressmen.....	1	2	3
Factormen.....		1	1
Farmers.....	47	97	213
File-cutters.....			1
Firemen.....	2	7	12
Fishermen.....			1
Foundrymen.....		1	2
Frame-polishers.....		1	1
Gardeners.....		2	3
Gas-fitters.....		1	2
Glass-blowers.....		1	1
Glaziers.....		1	1
Granite-cutters.....			1
Hack-drivers.....	1	1	1
Harness-makers.....	3	2	17
Hatters.....		1	1
Hatters.....	1	1	1

No. 9—Continued.

OCCUPATIONS.	Received.		On hand Sept. 30, 1884.
	Oct. 1, 1882, to Sept. 30, 1883.	Oct. 1, 1883, to Sept. 30, 1884.	
Horse-man.....		1	1
Horse-shoers.....	1	1	3
Horse-trainers.....			2
Hostlers.....	8	9	15
Hotel-keepers.....		1	1
Housekeepers.....	3	4	4
Hunters and trappers.....	1		3
Insurance agents.....	1		1
Iron-workers.....	1		1
Janitors.....			1
Jewelers.....		1	2
Jockeys.....	1		
Knife-makers.....			1
Knitters.....		1	2
Laborers.....	169	164	194
Lathers and plasterers.....	1	1	2
Laundrymen.....	1		2
Lawyers.....		2	2
Liverymen.....			1
Lumbermen.....	1		
Machinists.....	5	5	11
Marble cutters.....			4
Masons.....	2	3	5
Merchants.....	8	8	13
Millers.....		1	1
Milliners.....			2
Mixers.....	5	9	18
Model-makers.....			1
Morocco-finishers.....		1	1
Moulders.....	6	9	25
Nail-cutters.....	1		1
News agents.....	3	2	3
No occupation.....	42	47	50
Office boys.....	1		1
Paint-makers.....		1	1
Painters.....	17	25	36
Pantry girl.....		1	1
Paper hangers.....	1	1	3
Peddlers.....	1	4	8
Photographers.....	1	1	4
Physicians.....	2	2	8
Pilots.....			2
Plasterers.....		1	1
Plumbers.....		2	8
Porters.....	3	2	4
Printers.....	12	13	23
Puddlers.....		1	
Railroading.....		1	1
Real estate dealers.....	1	1	4
Rolling-mill hands.....	1		3
Rope-makers.....		1	1
Saddlers.....		2	2
Sailors.....	7	12	5
Salesmen.....	7	6	11
Saloon-keepers.....	5	5	15
School teachers.....	3		8
Seamstress.....	2	2	3
Servants.....	6	5	13
Sewing machine hands.....			1
Shoe-makers.....	10	10	30
Shirt-makers.....		1	1
Shoe lasters.....			1
Showmen.....	1	1	2
Silver-platers.....			
Soldiers.....	1		2
Steam-fitters.....		3	4
Stenographers.....			1
Stewards.....			1
Stablemen.....		1	1
Stock-dealers.....	2	1	2

No. 9—Continued.

OCCUPATIONS.	Received.		On hand Sept. 30, 1884.
	Oct. 1, 1883, to Sept. 30, 1884.	Oct. 1, 1883, to Sept. 30, 1884.	
Stage-drivers.....		1	1
Stone-cutters and masons.....	10	6	34
Sugar-boilers.....	1		3
Switchmen.....	1	2	1
Tailors.....	2	3	11
Tailoress.....		1	1
Tanners.....	2	1	4
Teamsters.....	17	15	21
Telegraphers.....		2	5
Telegraph repairers.....	1	2	3
Tinmiths.....	3	4	10
Tobaccoonists.....	1		3
Trunk-makers.....		1	1
Tool-dressers.....	1		1
Upholsterers.....	1	1	1
Varnishers.....		1	1
Veterinary surgeons.....	2		2
Wagon-makers.....			1
Waiters.....	21	25	47
Washerwomen.....	1		2
Watchmakers.....		5	6
Weavers.....	3		2
Well-diggers.....			1
Whitewashers.....	2		1
Wire-workers.....		3	5
Wood choppers.....	1		1
Wood-workers.....		3	5
Wool-carders.....			1
Total.....	630	746	1,483

No. 10.

Table showing the Religious Belief, Education and Habits of Life of Convicts received in the Illinois State Penitentiary, for the two fiscal years ending September 30, 1884, and the number on hand September 30, 1884.

RELIGION, EDUCATION AND HABITS OF LIFE.	Oct. 1, 1882 to Sept. 30, 1883	Oct. 1, 1883 to Sept. 30, 1884	On hand Sept. 30, 1884.
RELIGIOUS BELIEF.			
No church	342	366	832
Baptist	13	20	42
Christian	2	3	10
Episcopal	7	5	13
Evangelist			1
Jewish	6	5	19
Lutheran	22	31	46
Methodist	31	62	98
Presbyterian	11	22	51
Protestant			10
Roman Catholic	193	230	357
Reform	1	2	2
Dunkard	1		1
Quaker	1		1
Total	630	746	1,483
Percentage of convicts professing no religious belief	54.29	49.06	56.10
Percentage of convicts professing religious belief..	45.71	50.94	43.90
	100.00	100.00	100.00
EDUCATION.			
Read and write	479	460	941
Read only	38	37	107
No education	47	53	168
Good or fair education	66	196	267
Total	630	746	1,483
Percentage of convicts that can read and write.....	76.03	61.66	63.45
Percentage of convicts that can read only	6.03	4.96	7.22
Percentage of convicts with no education	7.47	7.10	11.33
Percentage of convicts with good or fair education.	10.47	26.28	18.00
	100.00	100.00	100.00
HABITS OF LIFE.			
Temperate	155	136	345
Intemperate	179	120	394
Moderate	296	490	744
Total	630	746	1,483
Percentage of convicts temperate, per their own statement	24.60	18.23	23.26
Percentage of convicts intemperate, per their own statement	28.41	16.09	26.57
Percentage of convicts moderate, per their own statement	46.99	65.68	50.17
	100.00	100.00	100.00

NOTE—"Moderate" drinkers were classed as intemperate previous to the year 1877; and no classification was made above "Common School" education, previous to the year 1877.

No. 11.

Supplementary Statement of Domestic, Religious and Educational Relations of Convicts received at the Illinois State Penitentiary during the two fiscal years ending September 30, 1884.

	First fiscal year.	Second fiscal year.
DOMESTIC.		
Father and mother are living.....	228	246
Father and mother are dead.....	136	219
Father only is dead.....	150	182
Mother only is dead.....	96	93
Don't know.....	20	6
Total received.....	630	746
Prisoners were aged as follows at the time of the death of their fathers and mothers:		
When father died... { Under 10 years.....	118	184
{ From 10 to 18 years.....	77	118
{ Over 18 years.....	91	129
	286	401
When mother died... { Under 10 years.....	82	116
{ From 10 to 18 years.....	65	94
{ Over 18 years.....	85	102
	232	312
Prisoners were aged as follows at the time they left home:		
Under 5 years.....	17	23
From 5 to 10 years.....	46	56
From 10 to 15 years.....	129	182
Over 15 years.....	429	476
Never knew home.....	9	9
Total received.....	630	746
RELIGIOUS.		
Number of prisoners having received religious instruction or having attended Sunday school in the following denominations:		
Roman Catholic.....	208	246
Methodist.....	111	106
Lutheran.....	38	37
Episcopal.....	20	7
Baptist.....	39	36
Presbyterian.....	28	41
Christian.....	10	7
Reform.....	3	3
Dunkard.....	1	
Protestant.....	12	
Quaker.....	1	
United Brethren.....	1	
Congregational.....	1	2
Universalist.....	1	
Carmelite.....	3	
Joss, China.....	1	
Jewish.....	10	5
None.....	146	257
Total received.....	630	746
EDUCATION.		
Number of years attended school:		
Less than one year and one year.....	38	54
Two years.....	71	74
Three years.....	76	69
Four years.....	78	116
Five years.....	64	82
Six years.....	51	86
Six years and over.....	157	185
Not at all.....	95	80
Total received.....	630	746

No. 12.

Table showing the Sex and Color of Convicts received at the Illinois State Penitentiary, for the two fiscal years ending September 30, 1884, and the number on hand at that date.

Sex and Color.	Oct. 1, 1882, to Sept. 30, 1883.		Oct. 1, 1883, to Sept. 30, 1884.		On Hand.	
	Receiv'd	Total.	Receiv'd	Total.	Sept. 30, 1884.	Total.
White, males.....	556		661		1,306	
White, females.....	12		21		32	
Colored, males.....	57	568	62	682	131	1,338
Colored, females.....	4		1		4	
Chinese.....	1	61	1	63	2	143
Totals.....		630		746		1,483

No. 13.

Table showing the Age of Convicts received at the Illinois State Penitentiary, for the two fiscal years ending September 30, 1884.

Age when Received.	Oct. 1, 1882, to Sept. 30, 1883.	Per Cent. of Total.	Oct. 1, 83, to Sept. 30, 1884.	Per Cent. of Total.
Below 20 years.....	81	12.6	112	15.01
Between 20 and 30 years.....	354	56.19	415	55.64
Between 30 and 40 years.....	129	20.48	136	18.23
Between 40 and 50 years.....	42	6.67	57	7.61
Between 50 and 60 years.....	18	2.85	20	2.68
Between 60 and 70 years.....	6	.95	5	.67
Between 70 and 80 years.....			1	.13
Totals.....	630	100.00	746	100.00

No. 14.

Table showing Recommitments of Convicts to the Illinois State Penitentiary, received during the two fiscal years ending September 30, 1884, and those on hand September 30, 1884.

Recommitments.	Oct. 1, 1882, to Sept. 30, 1883.		Oct. 1, 1883, to Sept. 30, 1884.		On Hand Sept. 30, 1884.	
	Receiv'd	Per Cent	Receiv'd	Per Cent	On Hand	Per Cent
Second term.....	75	11.90	69	9.25	193	13.01
Third term.....	12	1.90	33	4.42	59	3.53
Fourth term.....	5	.80	11	1.47	19	1.29
Fifth term.....			3	.40	5	.34
Sixth term.....	1	.16			2	.14
Seventh term.....	1	.16				
Totals.....	94	14.92	116	15.54	272	18.36

No. 15.

*Comparative Table of Sentences and Recompitments, showing their relative connection to the number of recommitment
Convicts received during the two fiscal years ending September 30, 1881, and those on hand September 30, 1884.*

SENTENCES.	October 1, 1882, to September 30, 1883.							October 1, 1883, to September 30, 1884.						On hand September 30, 1884.					
	Recommitments.							Recommitments.						Recommitments.					
	Sec'nd term.	Third term.	Fourth term.	Sixth term.	Sev'th term.	Sec'nd term.	Third term.	Fourth term.	Fifth term.	Sec'nd term.	Third term.	Fourth term.	Fifth term.	Sec'nd term.	Third term.	Fourth term.	Fifth term.	Sixth term.	
One year.....	20	3				9	1	2		8	3	2							
Two years and fractions.....	4	3	2		1	15	4	2		3	3								
Three years and fractions.....	10	3	1			13	4	2		20	5								
Four years and fractions.....	19		3			2	1			31	7								
Five years and fractions.....	2					7	1			10	1								
Six to nine years and fractions.....	10	2				5	3	1		26	10								
Ten years and fractions.....	5	2				6	1	1		14	8								
Eleven to 14 years and fractions.....	2		1			3		1		25	5								
Fifteen to 20 years and fractions.....	3			1		7				15	4								
Twenty-one years and less than life.....	1					1		1		13	11								
Life.....	1					1				4	2								
Totals.....	81	16	7	1	1	70	31	11	2	177	59	19	4	2					

No. 16.

Table showing Punishment of Convicts in Illinois State Penitentiary and the number of days' labor lost by punishments, during the two fiscal years ending September 30, 1884.

MONTH.	OCTOBER 1, 1882, TO SEPTEMBER 30, 1883.				OCTOBER 1, 1883, TO SEPTEMBER 30, 1884.			
	Average number convicts.	Number of punishments.	Days' labor lost by punishments.		Average number convicts.	Number of punishments.	Days' labor lost by punishments.	
October.....	1,454	15	110½		1,346	33	218¾	
November.....	1,449	19	105		1,380	18	159½	
December.....	1,468	18	106½		1,388	18	155½	
January.....	1,453	29	214		1,398	17	151¼	
February.....	1,438	14	131		1,404	17	129	
March.....	1,431	18	121½		1,441	26	178¾	
April.....	1,422	24	165		1,437	15	124½	
May.....	1,409	21	176½		1,454	15	156	
June.....	1,419	18	148½		1,477	14	106	
July.....	1,418	18	160		1,500	10	64	
August.....	1,403	11	7¾		1,492	15	90½	
September.....	1,355	20	139½		1,470	20	129½	
Totals.....	1,426	225	1,655½		1,429	218	1,713¾	

Average number of punishments from October 1, 1882, to September 30, 1883, per month, 19.

Average number of punishments from October 1, 1883, to September 30, 1884, per month, 18.

Percentage of punishments to total average number of convicts on hand during year ending September 30, 1883, 1¼.

Percentage of punishments to total average number of convicts on hand during year ending September 30, 1884, 1¼.

Average number of days lost by each punishment during first fiscal year, 7½.

Average number of days lost by each punishment during second fiscal year, 8.

No. 17.

Table of Punishments with reference to the different sentences, and their proportion to the grand total of Convicts confined in the Illinois State Penitentiary, during the two fiscal years ending September 30, 1884.

SENTENCES.	NUMBER OF CONVICTS PUNISHED.										Total number punished....	Grand total confined during 2 years....	Per cent. to grand total of each sentences.....
	Punished once....	Twice....	3 times..	4 times..	5 times..	6 times..	7 times..	8 times..	10 times..	12 times..			
1 year and less.....	36	3	1	1	1	1	1	1	1	1	41	732	5.60
1 year and fractions.....	12	1	1	1	1	1	1	1	1	1	15	126	11.90
2 years.....	23	1	1	1	1	1	1	1	1	1	37	453	8.19
2 years and fractions.....	3	1	1	1	1	1	1	1	1	1	8	53	5.77
3 years.....	36	6	3	3	1	1	1	1	1	1	46	446	10.91
4 years.....	16	8	3	1	1	1	1	1	1	1	32	265	9.38
5 years.....	23	10	3	1	1	1	1	1	1	1	41	293	16.47
5 years and fractions.....	6	3	1	1	1	1	1	1	1	1	18	97	5.15
6 years.....	9	3	1	1	1	1	1	1	1	1	18	91	14.23
7 years.....	7	3	1	1	1	1	1	1	1	1	11	69	15.84
8 years.....	4	1	1	1	1	1	1	1	1	1	11	42	11.90
9 years.....	16	3	1	1	1	1	1	1	1	1	23	168	5.96
10 years.....	1	1	1	1	1	1	1	1	1	1	1	109	31.10
11 years.....	3	1	1	1	1	1	1	1	1	1	1	10	10.00
12 years.....	1	1	1	1	1	1	1	1	1	1	2	20	10.00
13 years.....	3	1	1	1	1	1	1	1	1	1	7	14	14.23
14 years.....	3	1	1	1	1	1	1	1	1	1	5	98	13.17
15 years.....	3	1	1	1	1	1	1	1	1	1	3	31	9.68
16 to 20 years.....	3	1	1	1	1	1	1	1	1	1	3	20	16.00
20 years.....	3	1	1	1	1	1	1	1	1	1	6	43	13.96
21 years and less than life.....	1	1	1	1	1	1	1	1	1	1	1	38	2.63
Life.....	5	1	1	1	1	1	1	1	1	1	6	66	9.09
Total.....	215	47	13	7	2	2	1	2	1	1	291	2,825	.....
Percentage.....	7.62	1.67	.46	.25	.07	.07	.08	.07	.03	.03	10.30	.....	.....

No. 18.

Table of Punishments, with reference to crimes against property, and against person, and their proportion to the grand total of Convicts confined in the Illinois State Penitentiary, during the two fiscal years ending September 30, 1884.

CRIMES AGAINST PROPERTY.	NUMBER OF CONVICTS PUNISHED.								Number of convicts punished.	Per cent. to grand total.	Number of punishments.	Per cent. to grand total.	Grand total of convicts confined during two years.
	Once.....	Twice.....	3 times....	4 times....	5 times....	6 times....	7 times....	8 times....	10 times...	12 times...			
Arson.....	1			1							1	5.26	19
Attempt to commit burglary and larceny.....	1											21.05	11
Attempt to commit robbery.....	57	15	1	1							2	64.55	11
Burglary.....	40	9	2	1			1		1		77	16.49	734
Burglary and larceny.....											54	13.17	410
Counterfeiting.....													8
Conspiracy and confidence game.....													48
Embezzlement.....													13
Forgery.....	7	1									8	8.90	89
Grand larceny.....	4										4	4.40	91
Horse stealing.....	6	1									7	15.56	45
Larceny.....	43	10	5								77	8.88	642
Larceny as bailor.....													3
Larceny and receiving stolen property.....	2										2	40.00	5
Larceny and robbery.....													9
Making and uttering fictitious notes.....	1										1	9.09	11
Molesters mischievous.....												10.00	10
Passing U. S. counterfeit coin.....													5
Receiving stolen property.....													5
Robbery.....	21	3	1	2							32	15.53	206
Robbery and burglary and larceny.....	3										3	27.27	11
Violating postal laws.....													1
Total crimes against property.....	183	39	9	5	2	2	1	1	1	1	249	10.45	2,393

CRIMES AGAINST PERSON.													
Abduction.....	1								1	25.00	2	50.00	4
Assault, etc.....													4
Attempt to kill and murder.....	8	2	1						12	11.21	23	21.50	107
Attempt to procure abortion.....													1
Bigamy.....													8
Cruelty to children.....													2
Inccest.....	3	1	1						4	7.55	6	11.32	8
Manslaughter.....	1												53
Mayhem.....	13	2	1						16	14.29	20	29.58	7
Murder.....	3	2	1						7	9.04		12.05	165
Perjury.....													9
Personating another.....	3	2	1						7	10.45	14	20.90	2
Rape and assault to rape.....									1	20.00	4	80.00	67
Sodomy.....	27	8	4	2					42	9.48	71	16.03	443
Total crimes against person.....													
Per cent. of total—Against property.....	84.32												
Per cent. of total—Against person.....	15.68												

RECAPITULATION AND REMARKS.	TOTAL NUMBER OF CONVICTS PUNISHED.										Per cent. of number of convicts punished.	Number of convicts punished.	Per cent. of punish- ments.	Total number of punish- ments.	Per cent. to grand total.	Grand total of convicts confined in two years.
	Once.....	Twice.....	3 times ...	4 times....	5 times....	6 times....	7 times....	8 times....	10 times...	12 times...						
Total crimes against property.....	188	39	9	5	2	2	1	1	1	1	85.57	249	83.96	372	84.32	2,382
Total crimes against person.....	27	8	4	2	.....	.....	.....	1	.....	.....	14.43	42	16.04	71	15.68	443
Grand total convicts punished during the two years.....	215	47	13	7	2	2	1	2	1	1	100.00	291	100.00	443	100.00	2,825

NOTE.—All crimes that convicts have been committed for, in the last two years, are classified in the above statement.

No. 19

Statement showing number of Convicts under different sentences for the crime of Murder, on hand in Illinois State Penitentiary on December 1, 1874, and received since then, number of those Discharged, Pardoned and otherwise released, and average time of service.

SENTENCES.	Regular discharge—Time of service.										Pardons—Time of service.										Sentences commuted and disch'd—Time of service.																																						
	Aggregate.					Average.					No.	Aggregate.					Average.					No.	Aggregate.					Average.																															
	Yr.		Mo		D'y	Yr.		Mo		D'y		Yr.		Mo		D'y	Yr.		Mo		D'y		Yr.		Mo		D'y	Yr.		Mo		D'y																											
	No.																																																										
Balance on hand Sept. 30, 1884.....																																																											
Sentences com- muted, Prison'rs not vet'd disch'd																																																											
Transferred to Chester.....																																																											
Disch'd by reversal of judgment.																																																											
Sent to Insane Asylum.....																																																											
Died.....																																																											
Number rec'd and on hand.....																																																											
14 years.....																														19																													
15																														5																													
16																														4																													
17																														2																													
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100																														1																													
Life.....																														1																													
Totals.....																														1																													

REMARKS.—Under the "Good Time Law" of 1872, any sentence for more than 5 years is served in half the time of the sentence, and 1 year 3 months added to it; 10 years sentence, 6 years and three months. Of the 35 men pardoned, as above, 24 were pardoned by Gov. Beveridge and 10 by Gov. Cullom, and 1 by President Hayes. Of the 23 men who had their sentences commuted, 12 had them commuted by Gov. Beveridge and 10 by Gov. Cullom, and 1 by Gov. Hamilton.

No. 20.

Statistical Table of Convicts committed for Life to the Illinois State Penitentiary from January 1, 1868, to September 30, 1884. For prior dates see Biennial Report of 1878.

RECEIVED.	DIED.	PARDONED.	SENTENCE COMMUTED.						SENT TO INSANE ASYLUM.	Sent to Chester, March 20, 1878....	Total out.....	On hand.....
			By Gov. Beveridge.	By Gov. Cullom.	By Gov. Hamilton.	Year.	1877.	1879.	1880.	1883.	1884.	
Year.	No.	Year.	No.	Year.	No.	Year.	1877.	1879.	1880.	1883.	1884.	
1868.....	7	1868.....	1	.....	.....	.....	1	1	.....	.....	.....	1
1869.....	8	1870.....	1	.....	.....	.....	.....	.....	.....	.....	.....	5
1870.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
1871.....	3	1875.....	1	1	.....	.....	.....	.....	.....	.....	.....	3
.....	7	1876.....	2	.....	.....	.....	.....	.....	.....	.....	.....	4
1872.....	7	1877.....	1	.....	.....	.....	1	.....	.....	.....	.....	3
.....	6	1878.....	1	.....	.....	.....	.....	.....	.....	.....	.....	7
1873.....	6	1879.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	7	1880.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
1874.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1875.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1876.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1877.....	10	1883.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
1878.....	5	1884.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
1879.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1881.....	7	1882.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
1882.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1883.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1884.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	105	.....	11	1	4	2	1	1	1	4	1	58

† Suicides.

* United States prisoner. Pardoned by the President.

No. 21.

Statement of the Conduct of Convicts serving sentences of imprisonment for Life in the Illinois State Penitentiary, for the two fiscal years ending September 30, 1884, and the number on hand at that date.

When received.	Register No.	Name.	County.	Crime.	Age when rec'd.	Conduct.
Dec. 16, 1868.	1937	Peter Zower.....	Stephenson	Murder.....	28	
Mar. 16, 1869.	5127	Thomas Stewart.....	Cook	"	21	
June 1, ...	5290	Lewis W. Jackson.....	Clinton	"	19	Punished
June 14, ...	5322	Henry Margraff.....	Madison	"	38	once in '83
Dec. 4, ...	5696	Henry Gonth.....	St. Clair	"	39	
Dec. 13, ...	5623	James C. Smiddy.....	Jackson	"	39	
Jan. 7, 1870.	5664	Daniel Wal-h.....	Cook	"	35	
April 5, ...	5854	John Hickman.....	Cass	"	40	
Nov. 18, 1873.	7852	William H. Moon.....	Pope	"	32	
Mar. 11, 1874.	7055	Solomon Burger.....	Hamilton	"	32	
May 16, ...	8290	Dazy Breeze.....	Johnson	"	24	
June 3, ...	8250	Alonzo Hendron.....	Coles	"	26	
July 10, ...	8309	Wm. Richey alias Buckingham	Henry	"	43	
Feb. 28, 1876.	6538	Daniel McAllister.....	Macon	"	40	
Mar. 24, ...	9751	William Cozzens.....	Champaign	"	19	
Apr. 19, ...	9525	Peter Wermemont.....	Kankakee	"	24	
Apr. 19, ...	9826	Wilhelmina Look.....	"	"	28	
May 23, ...	9900	Samuel Keelin.....	Saline	"	23	
May 31, 1877.	891	Henry Donnell.....	Kane	"	35	
Sept. 17, ...	1153	John Hoffman.....	Platt	"	33	
Mar. 19, 1878.	1799	John Aiken.....	Gallatin	"	43	
Apr. 11, ...	1877	Richard McGhee.....	Edgar	"	57	
Sept. 6, ...	2185	William Day.....	Christian	"	15	Punished
Dec. 24, ...	2108	Henry Disler.....	Adams	Manslaughter	49	once in '82
May 24, 1879.	2911	J. W. Clark.....	St. Clair	Murder.....	34	Same in '84
June 6, ...	2741	John Kavanaugh.....	Rock Island	"	21	
June 27, ...	2769	Andrew Marshall.....	St. Clair	"	41	
July 3, ...	2776	Bernard Heeney.....	Henry	"	33	
Sept. 16, ...	2842	Walter Pierce.....	Bond	"	27	
Oct. 9, ...	2942	Thomas Ellis.....	Cook	"	36	
Feb. 10, 1880.	3227	Henry Boyle, alias.....	Warren	"	38	
Feb. 24, ...	3270	John Stewart.....	Boone	"	21	
Mar. 6, ...	3316	Patrick Grogan.....	Rock Island	"	33	
May 6, ...	3422	James Cook.....	Coles	"	32	
May 6, ...	3423	Charles Lloyd.....	"	"	18	
May 13, ...	3443	Elmer Morrell.....	Schuyler	"	14	
Oct. 8, ...	3647	Benjamin W. Spry.....	Jersey	"	21	Punished
Aug. 30, 1881.	4244	James Tobin.....	Cook	"	41	once in '83
Sept. 24, ...	4273	James Cunningham.....	"	"	41	
Oct. 18, ...	4335	John J. Warrick.....	Hancock	"	27	
Oct. 31, ...	4469	Daniel Carpenter.....	Will	"	18	
Nov. 1, ...	4374	Thomas N. Cream.....	Boone	"	31	
Dec. 8, ...	4489	Theodore Vantraln.....	Christian	"	35	
Mar. 21, 1882.	4720	Thomas Morris.....	Hancock	Rape.....	21	
Mar. 23, ...	4744	John Gales.....	Cook	Murder.....	22	
Apr. 11, ...	4780	Andrew Jackson Church.....	Stark	"	50	Punished
July 3, ...	4963	Thomas Cahill.....	Cook	"	20	once in '84
July 31, ...	4941	Tucker Pollard.....	Will	"	22	
Oct. 3, ...	5068	Robert E. Gick.....	McDonough	"	25	
Mar. 7, 1883.	5073	Sing A. Dive.....	Cook	"	19	Punished
Mar. 31, ...	5094	Eugene Dougherty.....	"	"	26	once in '84
Sept. 29, ...	5062	Thomas Maguire.....	"	"	18	
Oct. 1, ...	5064	Edward Magher.....	"	"	17	
Oct. 25, ...	5733	Robert Smith.....	Champaign	"	40	
Nov. 3, ...	5740	John Keenan.....	Cook	"	28	
Feb. 4, 1884.	5936	Charles F. Cornish.....	Wyoming T.	"	34	
May 15, ...	6171	Charles Sutton.....	Scott	"	33	
June 27, ...	6266	John H. Hall.....	Logan	"	42	

Total number in prison for life, 58.

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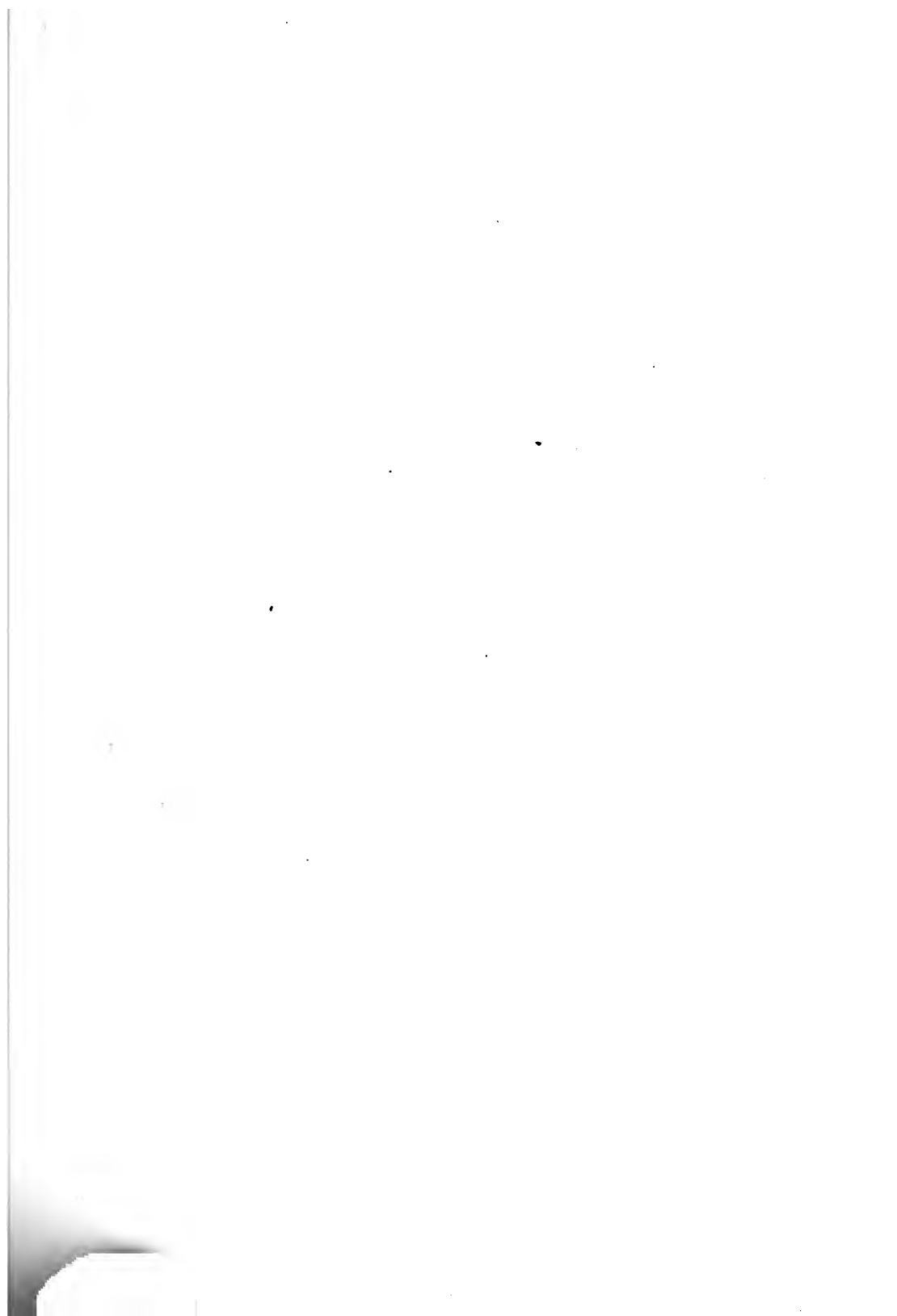
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REPORT
OF THE
COMMISSIONERS
OF THE
SOUTHERN ILLINOIS PENITENTIARY,
AT CHESTER,
FOR THE
TWO YEARS ENDING SEPT. 30, 1884.



OFFICERS
OF THE
SOUTHERN ILLINOIS PENITENTIARY.

SEPTEMBER 30, 1884.

BOARD OF COMMISSIONERS.

JAMES S. MARTIN, *President.*

ISAAC CLEMENTS, *Secretary.*

JOSEPH P. ROBARTS.

RESIDENT OFFICERS.

Warden,

JOHN C. SALTER.

Deputy Warden,

C. C. STARKWEATHER.

Chaplain,

THOMAS F. HOUTS.

Physician,

LEWIS DYER, M. D.

Matron,

MRS. JULIA J. IVES.

Clerk,

ALEXANDER SHOLL.

Steward,

W. C. DOWELL.

REPORT OF THE COMMISSIONERS.

SOUTHERN ILLINOIS PENITENTIARY,
OFFICE OF COMMISSIONERS, October 1, 1884.

To His Excellency, JOHN M. HAMILTON,

Governor of Illinois:

As Commissioners of the Southern Illinois Penitentiary, we respectfully submit the following biennial report in accordance with law; accompanying it with reports from the Warden, Chaplain and Physician, as well as a synopsis of the annual inventory of this date, which are made a part of this report.

The last biennial report of the Commissioners of this institution showed the following balances of specific appropriations, previously made for construction, still unexpended in constructions:

For Contingencies.....	\$3,609 59
For Water Works.....	1,444 38
For Pump and Boiler House.....	1,445 39

These amounts have been expended as contemplated by the law making the appropriations, and the vouchers therefor filed with the Auditor.

The laundry and solitary were, shortly after that report, furnished and occupied. That report also showed an unexpended balance of \$5,967.94 remaining from previous appropriations, which has since been expended in the work hereinafter mentioned.

The last General Assembly made the following appropriations for continuing the work of construction at this institution:

For beginning a wall around prison yard.....	\$1,500
For sewerage.....	4,500
For an ice house.....	3,000

Nothing has yet been done toward building the wall, and the money appropriated therefor lies undrawn in the hands of the State Treasurer.

The main sewer with its branch sewer has cost \$6,197.50 in addition to the material and convict labor furnished by the State. The cost over and above the \$4,500 specially appropriated was paid out of the \$5,967.94 balance above mentioned.

All the vouchers, both for free labor employed and material purchased, are on file with the State Auditor. The main sewer is seven feet wide, nine feet six inches high, eleven hundred and twelve feet long; contains six thousand seven hundred and thirty-seven cubic yards of stone masonry, two hundred and fifty square yards of paving stone, and two hundred and forty-five thousand brick. The branch sewer is one hundred and eighty-five feet long, three feet six inches wide and five feet high. An immense amount of excavating and filling was also necessary. These figures will give some idea of the extent and value of the work.

None of the ice house appropriation has yet been drawn. We expect to erect this building this fall in time to fill it with ice this winter.

The General Assembly also appropriated \$4,000 with which to purchase certain lands described in the act. The land has been purchased and enclosed with a barbed wire fence costing \$134.94. Containing as it does fine springs of living water, excellent pasturage, inexhaustable quantities of stone and brick-clay, and much good farming land, this land is already proving itself to be a very valuable investment.

This completes the work done under the specific appropriations.

However, much other work has been done:

First, in time and importance, was that of building an additional story under the shoe-shop. The old "temporary prison" which had been fitted up as a boot and shoe factory for Messrs. Pettengill & Co., proved to be of insufficient capacity for working the two hundred and twenty-five men leased to them. The men could not work in the space furnished. It became necessary to increase the room. This was done by excavating the earth from under and around the building and putting an additional story under it, thus making a three-story building. This cost \$4,036.98 in addition to material and convict labor furnished by the State. This amount was also paid out of the \$5,967.94 mentioned above. The building now furnishes ample room for working the entire number of men contracted and meets all the requirements of the contract. The excavation under and around the building amounted to sixteen thousand one hundred and seventy-seven cubic yards of earth.

Second. Additional lumber has been bought and the stockade moved on the hill-side referred to in the last report of this Board, at a cost of \$586.19. Of this amount \$233.46 was paid out of the above mentioned balance, and the remainder out of the proceeds of the labor of the prisoners. The brick-yard was also enlarged thereby, and a large amount of grading done so as to put the additional space in order for use.

Third. The General Assembly having decided not to appropriate money for a hospital building here till the question of a hospital for insane convicts is definitely settled, we were compelled to fix up the rooms originally designed for a female prison, as a hospital, at a cost of \$141.52. These rooms answer the purpose reasonably well. The female prisoners in the meantime are comfortably cared for in the warden house, where six large rooms with necessary closets and bath-rooms have been assigned them.

Fourth. The work of improving the river front has been continued as rapidly as our available force would permit. Some three thousand seven hundred cubic yards of rip-rap stone, and thirty thousand cubic yards of earth have been placed in position in this work since the last report of this Board.

Fifth. Five hundred and ten square feet of flagging has been gotten out and laid.

Sixth. Four thousand three hundred and twelve cubic yards of McAdam have been broken and placed on the streets and roads of the State ground.

Seventh. The house occupied by the deputy warden—on the river bank outside the stockade—was raised from its foundation and badly damaged by a land-slide last spring. We immediately ordered the dirt removed, new foundations put in, and the building thoroughly repaired. This cost \$586.05 and saved the building, which is now in excellent condition.

Eighth. In order to avoid the danger of fire as much as possible, we fitted up the boot and shoe factory for steam heating and connected it with the boiler house. Now, all the machinery is run and the building is heated by steam brought from the boiler house, some two hundred yards away, and no fire is used in the factory. This cost \$650.91.

Ninth. In August last a fire in the brick-yard destroyed the brick-yard shop and office and damaged to some extent the boiler house. These are now being re-built and repaired, having cost \$440.47 up to this date.

In regard to continuing the work of construction at this prison for the next two years, we recommend the following:

First. An additional work-shop is necessary. As yet there has never been a work-shop built at this prison. The one now used by the Pettengill Boot and Shoe Company is, as already stated, the building originally erected to confine the prisoners sent here from Joliet to work on the prison buildings. The necessity for one good work-shop is very urgent. While the law remains as it is the Commissioners are required to lease the labor of the prisoners confined here. This can not be done without shop-room. Prisoners can not be worked the year round without the protection of a roof. It is true that during the past two years about one hundred and twenty-five men have been employed a good portion of the time out of doors working in the quarry, yet much time was lost by reason of bad weather. It may not be amiss to state here that while a large portion of their time was employed in getting out stone for the State, yet the ease with which a good market was found for the proceeds of their labor and the prices obtained therefor, make, as we think, an advantageous showing.

While not disposed at this point to enter into a discussion of the question of how prison labor may be best employed, we will say, while speaking of its employment in this class of work, that continued observation has but strengthened the opinion expressed in the last biennial report of this Board. That is to say: that the State itself could advantageously employ all the prisoners confined

here in getting out rip-rap stone, paving blocks, curbing, etc., and in brick making. The demand for all these is great and constantly growing. We would, therefore, submit whether it would not be better to abolish the contract system, at least so far as this prison is concerned, and employ the prisoners at this work, thus preventing their labor coming in conflict with mechanics who are engaged in skilled labor. Such a system would also admit of grading and classifying the prisoners with a view to their moral improvement, as seems impossible under our present contract system.

But whatever system may be carried out, some shop-room will be necessary, as men can not work out of doors in all kinds of weather. We therefore recommend an appropriation for the shop referred to, and submit plans and estimates therefor.

Second: A reservoir must be built: the one now in use was built when prisoners were first received here from Joliet, and was not intended to meet the requirements of more than two or three hundred men. But by the aid of two wooden tanks it has sufficed till now, although it will scarcely hold a day's supply of water. The demands of the prison require a much larger one, and it should be of greater elevation to be of any advantage in connection with the water-works in case of fire. We submit herewith estimates for the new one.

It is time also for putting in the foundations for the additional cell house contemplated by the law for the erection of this prison. Much of the work of completing other portions of the prison is necessarily delayed until this foundation is put in. It should go in during the next two years. We submit estimates therefor.

There is also a great and pressing necessity for a State shop; such a building has never yet been erected here. The men engaged in various work for the State, tobacco manufacturers, mattress makers, carpenters, etc., have no place to work, and are scattered about the prison yard in a number of small frame buildings, which are a constant source of danger from fire, and contain much valuable State property which is liable to be destroyed at any time. We submit estimates for such a shop.

This work, the proposed work shop, reservoir, cell house foundation and State shops, will probably be as much as our available force can accomplish during the next two years, in addition to such work as can be done without appropriations.

In accordance with the statement in their last report, the Commissioners proceeded to advertise the leasing of their surplus prison labor, as by law they were required to do. The highest bid was that of Mr. Thomas Mitchell, who subsequently associated with himself Mr. Thomas Needles. This bid was seventy-seven cents per day per man for sixty men, with the privilege of one hundred, together with the brick-yard facilities. A contract secured by bond was entered into with them. A copy of this contract is hereto attached, marked "Exhibit A."

While this prison is in course of construction and so large a portion of the prisoners are engaged in work for the State, it can not be expected that it will be anywhere near self-sustaining. And if the Commissioners have erred at all in their management it has been in their desire to make the expense of the prison as light as possible on the tax-payers of the State, by employing every man that could possibly be spared from construction in some remunerative employment, and not pushing construction more rapidly. However, they can scarcely be subject to just criticism in this regard, as they have constantly reserved a sufficient force to do the work for which the General Assembly has made appropriations. We take pleasure, therefore, in calling attention to the tables accompanying Warden Salter's report, which show the earnings of those who have been employed at remunerative labor. In this connection we would call attention to the Warden's estimates of the amounts necessary to be appropriated to meet the expenses of the prison for the next two fiscal years, and for machinery and furniture, and respectfully urge that appropriations be made in accordance therewith. The tables above referred to give the following showing:

Total receipts from all sources—not including the special appropriations already mentioned—for the year ending September 30, 1883, are:

Drawn from the Auditor.....	\$90,000 00
Received from sale of brick and brick-yard fixtures....	9,412 98
Received from sale of stone.....	11,854 58
Received from contractors.....	27,900 57
Received from other sources.....	11,856 71

Total receipts..... \$150,524 54

For the year ending September 30, 1884:

Drawn from the Auditor.....	\$75,000 00
Received from sale of stone.....	23,884 98
Received from contractors.....	43,808 55
Received from other sources.....	13,199 10

Total..... \$155,992 58

This statement shows a very gratifying reduction in the amount drawn from the Auditor during the second year and increase in the earnings of the prisoners for the same period.

The total expenses have been as follows:

For the year ending Sept. 30, 1883.....	\$165,852 66
For the year ending Sept. 30, 1884.....	147,609 49

These totals include all the expenditures made by the prison, except the specific appropriations for construction heretofore mentioned, including machinery, repairs, rebuilding, quarry expenses, etc., in addition to the ordinary prison expenses.

These "ordinary expenses," or expenses of the prison proper, are as follows:

For the year ending Sept. 30, 1883.....	\$108,510 24
For the year ending Sept. 30, 1884.....	120,425 60

The figures for which are given in detail in the tables. The *per capita* expense per day for the first year being .52.29 cents; for the second year .48.73 cents. After deducting salaries, which, when pro rated among so small a number of prisoners, is necessarily a large *per capita*; the remaining expense is: For the first year, .25.25 cents; for the second year, .21.73 cents *per capita* per day.

The expense for the second year exceeded that of the first by \$11,915.36, but the second year averaged ninety-eight more prisoners confined here than the first.

These figures show that up to a certain point, at least, which is not yet reached by this prison, an increase in the number of prisoners rapidly increases the earnings and rapidly decreases the *per capita* expense of the prison.

We would respectfully call attention to the reports of the Warden, Chaplain and Physician, with their accompanying tables. They treat in detail of matters to which we can but refer, and show the general condition of the prison as to its management, finance and discipline, as well as its moral, mental and physical status.

Many of the facts and conclusions of Chaplain Houts are deeply interesting, and worthy the profoundest consideration of all persons interested in investigating the question of the cause, prevention, treatment and cure of crime. The question of "indeterminate sentence," discussed by him, deserves the closest attention on the part of all legislative bodies. Our General Assembly has already recognized the fact that we have a class of "professional criminals." Now what shall society do with these, its avowed enemies? It has the undoubted right to confine them until at least there is a probability that they will no longer live by preying upon it. But we have no space to more than call attention to this important question.

The report of Surgeon Dyer makes a very gratifying showing as to the general health of the prison. There have been but eleven deaths from disease during the two years, out of an average of 619 prisoners, being less than one per cent.; and of these there were six deaths of chronic disease, with which the prisoners were suffering in more or less advanced stages at the time of their arrival here.

The establishment of the prisoners "sociable," and the abolition of "the lock-step"—that final relic of the "chain-gang"—both referred to by the Warden, have produced excellent effects on the prisoners. The "sociable" especially is prized by them in a manner that those who have the privilege of unrestrained social intercourse

can not well comprehend. And there is, on the part of the prisoners, a very evident and growing spirit of determination to meet these evidences of confidence in them in the spirit in which they are intended.

In concluding this report, we desire to say that it has been our constant endeavor, in which the prison officials have all heartily sympathized and co-operated, to maintain strict discipline, to require honest work, and to furnish good and wholesome food, sufficient clothing, and healthy, clean cells; in short to require of the prisoners all that justice and discipline can demand, and to do for them whatever right dealing between man and man can require, and then to do all things proper and possible to save and develop whatever there may be of manhood in the prisoner. More than this could not be asked, less than this we could not, with our ideas of duty, be willing to do. The future must prove whether we are right.

Thanking your excellency for the uniform courtesy and kindness shown us, and your deep interest in all our movements looking to bettering the condition of the prisoners, we are,

Very respectfully,

JAS. S. MARTIN,
ISAAC CLEMENTS,
JOSEPH P. ROBARTS,
Commissioners.

EXHIBIT "A."

COMMISSIONERS' OFFICE, SOUTHERN ILLINOIS PENITENTIARY.

THIS AGREEMENT, made this fourteenth day of December, A. D. 1882, between *James J. Martin, Isaac Clements and James T. Cooper*, Commissioners of the Southern Illinois Penitentiary, for the People of the State of Illinois, party of the first part, and *Thomas F. Mitchell*, of the city of Bloomington, Ill., and *Thomas B. Needles*, of the city of Nashville, and county of Washington, and State of Illinois, party of the second part,

WITNESSETH: That the said parties of the first part do, for the consideration herein-after mentioned and agreed to be paid by the said parties of the second part, hereby covenant, promise and agree for themselves and their successors in office, to and with the parties of the second part, their heirs, executors, administrators and assigns, as follows:

First. To furnish to the said party of the second part, for the term of three years, beginning on the first day of April, A. D. 1883, with the privilege of eight years from said date, at the option of the second party, the labor and services of sixty men, to be increased to one hundred as soon as sufficient yard room for the proper working of that number of men can be furnished and said second parties require them, said men to be able-bodied convicts confined in the penitentiary during the existence of this agreement, to be employed in the manufacture of brick and matters connected therewith during the brick-making season, and the same or such other industries during the winter season as said second party may desire, with the consent of said parties of the first part, except the boot and shoe business, it being understood that said men are to be employed during the whole year except as herein provided.

Second. To furnish, free of charge, the following privileges:

The present yard, except the portion of the street in rear of the cell-house; also, the extension of the yard north and east, to furnish room for racks of capacity for, say 500,000 bricks, as soon as said first party can furnish said extension.

Also, the use of the Wingard patent in burning, clamps, sheds, racks, office building, drying kiln now erected, and brick clain in the bank, provided that clay inside the stockade be used first. Provided further, that this shall not interfere with stripping the quarry, grading streets, yard, and making other improvements by said first party; also, to furnish steam sufficient to run three machines such as are now in use.

Third. To maintain the discipline of said convicts in good condition, and to furnish a sufficient number of keepers to maintain industry, good order and discipline among said convicts.

Fourth. To allow one week in January for taking invoice, in which said second party shall not be required to work said men, nor to pay for the same unless they do work them.

THIS AGREEMENT further witnesseth: That in consideration of the agreements and covenants herein made, the said party of the second part do, for themselves, their heirs, executors, administrators and assigns, covenant and agree as follows:

First. To pay at the rate of seventy-seven cents per day per convict, provided that during the brick-making season no charge shall be made for the men for such days as the Warden may decide, either from the inclemency of the weather or any other proper cause, that the men shall not be let out of their cells. And provided, further, that if, at any other time, in the judgment of the Warden, the health, safety or the discipline of the prisoners require it, he shall have the power to keep them locked up in their cells, and no charges shall be made for their services during the time.

Second. To furnish, at their own expense, all foremen and instructors, material, tools and implements (except as herein specified before), and machinery required to manufacture as aforesaid, and to do so in such number and quantities, and in such time, as to keep said convicts fully and constantly employed, except as herein otherwise provided.

And this agreement further witnesseth, that it is mutually agreed between the parties:

First. That all convicts whose labor is furnished under this agreement shall be able-bodied men, and selected with reference to their adaptation to the business, and assigned by the Warden; but no convict shall be transferred from this contract to another without the consent of the Warden and the party of the second part.

Second. In case of any disagreement between the Warden of the penitentiary and the said party of the second part in regard to the physical disability of any convict, the same shall be conclusively determined by the physician of the penitentiary.

Third. Said party of the first part shall furnish hydrant and hose and water for use under this contract; also drinking water and necessary runners, free of charge.

Fourth. That the length of the day's labor under this contract shall not be less than ten hours, so long as such length of time can be worked by day-light without rendering it necessary for said convicts to remain outside their cells after dusk or during the noon meal, and as near ten hours at all other times as the length of day-light will permit.

Fifth. That no deduction shall be made for the loss of time by said convicts in changing clothing, shaving, bathing, or receiving visits from their friends, according to the rules and regulations of said penitentiary now in force or which may hereafter come in force; provided, however, that the time for the above purposes shall not be extended to any unreasonable period.

Sixth. Nothing in this agreement shall be construed as granting any authority to the said party of the second part to govern or discipline said convicts, but said convicts shall labor under this agreement subject to all the rules and regulations of said penitentiary for their government, discipline and care.

Seventh. The said party of the second part shall by themselves, their superintendent or other person designated by them, have the right to direct the labor of said convicts, but shall obey the orders and conform to the rules and regulations of said penitentiary. And the Warden of said penitentiary may remove every such superintendent, foreman, or other employe, with the consent of the Board of Commissioners of said penitentiary, if deemed necessary for the discipline or welfare of the prison.

Eighth. That said party of the first part shall at all times have the right to forbid any manner of doing work, under this agreement, which shall subject any convict to any unusual or extraordinary danger to his person or health.

Ninth. That the said party of the first part shall in no wise be held responsible for any loss or damage by fire, wind, or water, to the business of said party of the second part, or their property used or stored upon the grounds, or in the buildings of said penitentiary. But in case the office building or shed covering machines occupied by the party of the second part, shall be destroyed either in whole or in part, by either fire, wind or water or otherwise, then the said party of the first part shall rebuild the same or furnish others of like capacity at the earliest possible day. Provided, however, that during the time of rebuilding or repairing said building, the said party of the second part shall be required to pay for the labor of such convicts only as they can keep profitably employed.

Tenth. That if at any time the said party of the first part shall unload or handle any material for the said party of the second part, the pay therefor shall be at the rate of seventy-seven cents per day for each convict so employed, and at the rate of two dollars per day for team and driver.

Eleventh. Said party of the first part shall furnish said sheds, clamps, racks, etc., in good repair, and said second party shall keep and return the same in like good repair, ordinary wear and tear and damages by accidental fire or other unavoidable casualties and the results of acts of convicts not done in the performance of their duty, excepted.

Twelfth. It is further agreed, if at any time the number of the prisoners in the penitentiary, without the fault of the said first parties, shall not be sufficient to supply the full number specified on this and other contracts let by authority of the State; also for cooking, cleaning and other necessary matters, in which in the judgment of the Warden it may be necessary to employ them, the number of able-bodied convicts not so employed by the Warden shall be apportioned according to the number contracted by each contractor, reference also being had to the skill and value of convicts in the several trades carried on by the different contractors.

Thirteenth. No charges shall be made by the State for such time as a convict may be engaged in learning to read or write, or is not, from sickness or other cause, beyond the control of the said second party, able to perform ordinary labor.

Fourteenth. It is also agreed that the State of Illinois shall not carry on the trade of brick-making within the prison grounds, nor contract or lease convict labor for same during the continuance of this agreement, without the consent of the party of the second part.

Fifteenth. The party of the second part shall account with the Warden of the penitentiary on the fifteenth day of each month for the labor of the convicts under this contract for the preceding month. And in case the said second party shall refuse to make such settlement, or shall fail within the period of thirty days thereafter to pay the amount so found due, the party of the first part may at any time thereafter give ten days' notice in writing to pay the same, and if not paid in said time thereafter, may declare this contract forfeited.

Sixteenth. It is further agreed that no tinkering shall be carried on by any of the convicts during work hours; nor shall any material or tools be carried from their work to their cells without consent of the Warden.

Seventeenth. Said second party shall have all the privileges that the prison possesses of the railroad track, with the privilege of bringing in and taking out their own cars, subject to the supervision of the Warden.

Eighteenth. It is further agreed that this contract shall not be assigned by the party of the second part without the consent, in writing, of the Board of Commissioners.

Nineteenth. That if at any time, for any reason, the said Commissioners, their successors in office, or the Executive of the State of Illinois, shall deem the bond given for the faithful performance of this contract by the said party of the second part insufficient to secure the same, then, upon demand in writing so to do, they shall, within twenty days, furnish additional bond, with good and sufficient sureties for the same, and in default thereof this contract may be annulled.

Twentieth. That said party of the second part shall have the right at all times, during the existence of this contract and after the expiration thereof, to remove any and all the

machinery, improvements, fixtures and other property by them put on the premises or purchased by them from party of the first part, subject, however, to section twenty-one hereof.

Twenty-first. That the said party of the first part, or their successors in office, shall have a lien upon all the material, tools, machinery, or other property that the said party of the second part may have in or about the Penitentiary, for any moneys that may at any time be due under this contract, and may, with or without process of law, distraint or hold the same until all moneys due under this contract shall have been paid, and in default of payment of same may sell said property at public vendue after taking possession of the property under this lien and giving said party of the second part notice in writing of their intention so to do and advertising such sale in the manner required by law regulating Sheriffs' sales.

Twenty-second. Said second parties agree to furnish the State what bricks may be required in the construction of buildings and other work ordered by the Legislature, delivered in the kiln, at three dollars and fifty cents (\$3.50) per thousand. The said Commissioners, or their successors, first giving thirty days' notice of the amount required when required in large quantities.

Twenty-third. Said second party takes the articles in the invoice hereto attached at the price therein specified to be paid for on taking possession thereof, at the time of beginning work under this contract.

In witness the parties hereto have set their hands and affixed their seals the day and year first above written.

JAMES S. MARTIN. (Seal)
ISAAC CLEMENTS. (Seal)
JAMES T. COOPER. (Seal)
THOMAS F. MITCHELL. (Seal)
T. B. NEEDLES. (Seal)

ESTIMATES FOR WORK SHOP.

Items.	Cost.	Value.
230 cubic yards excavation.....a 30		\$69 00
255 " " rubble stone.....a \$2 00		510 00
480 feet water table.....a 80		384 00
Setting 255 yards rubble stone.....a 3 00	\$765 00	765 00
Setting 480 feet water table.....a 25	96 00	96 00
88 window sills, 4'x8"x5".....a 2 20		198 00
88 window caps, 4'x11"x8".....a 3 50		308 00
506,660 brick.....a 3 50	1,773 31	2,533 30
Laying 506,660 brick.....a 4 00	2,026 64	2,026 64
88 window frames, sash, glass and hanging.....a 10 00	880 00	880 00
4 pairs double doors and frames.....a 7 50	30 00	30 00
4 inside doors and frames.....a 4 00	16 00	16 00
2 sets box stairs.....a 15 00	30 00	30 00
30,000 feet framing lumber.....a 20 00	600 00	600 00
10,000 feet common boards, dressed inside.....a 20 00	200 00	200 00
18,000 feet yellow pine flooring.....a 30 00	540 00	540 00
4 ventilators.....a 8 00	32 00	32 00
Iron floor beams, girders and columns.....a 5 50	3,158 00	3,158 00
100 squares metal roofing.....a 5 50	550 00	550 00
Nails.....a 135 00	135 00	135 00
Steam pipe.....a 564 00	564 00	564 00
Carpenter work.....a 1,100 00	1,100 00	1,100 00
444 feet hanging gutter.....a 20	88 80	88 80
175 feet down spout.....a 16	28 00	28 00
4 hoppers for water-closets.....a 12 00	48 00	48 00
810 yards rough plastering.....a 20	162 00	202 00
Painters.....a 154 00	154 00	154 00
Total.....	\$12,976 75	\$15,246 24

ESTIMATES FOR RESERVOIR.

Items.	Cost.	Value.
1,244 cubic yards excavating.....a 30		\$373 20
2,584 feet concrete.....a 142 50		387 60
12,720 feet dimension stone.....a 30		3,816 00
15,624 brick laid in cement.....a 156 24		184 48
228 feet coping stone.....a \$1 50		342 00
Setting 471 cubic yards stone and cement therefor.....a 3 00	1,413 00	1,413 00
Total.....	\$1,711 74	\$6,519 28

RESERVOIR HOUSE.

Items.	Cost.	Value.
3,695 feet framing lumber.....	\$73 90	\$73 90
2,816 feet common boards.....	45 06	45 06
1,300 feet 2x6x14 studding.....	24 00	24 00
2,500 feet seven-eighths.....	75 00	75 00
2 ventilators.....	12 00	12 00
2 pair double doors.....	12 00	12 00
25,000 pine shingles on roof.....	143 00	143 00
Nails.....	25 00	25 00
Carpenter work.....	400 00	400 00
Painting.....	45 00	45 00
Total.....	\$854 96	\$854 96

ESTIMATES FOR FOUNDATION OF SOUTH CELL-HOUSE.

Items.	Cost.	Value.
3,748 yards excavating.....	a 25 cts	\$937 00
9,339 cubic feet concrete.....	\$550 00	1,400 00
466 cubic yards footing and dimension stone laid in cement.....	1,682 00	3,264 00
1,257 cubic yards foundation stone laid in cement.....	5,027 00	7,542 00
Total.....	\$7,209 00	\$13,143 00

ESTIMATE FOR STATE SHOP.

Items.	Cost.	Value.
100 yards excavating.....	a 30	\$30 00
106 yards rubble stone.....	a \$2 00	212 00
240 feet water table.....	a 80	192 00
Cutting 106 yards rubble stone.....	a 3 00	318 00
Cutting 240 feet water table.....	a 30	48 00
42 window sills.....	a 2 25	94 50
42 window caps.....	a 3 50	147 00
228,000 brick.....	a 3 50	1,140 00
Laying 228,000 brick.....	a 4 00	912 00
42 window frames, sash, glass and hanging.....	a 10 00	420 00
2 pair double doors and frames.....	a 7 50	15 00
6 inside doors.....	a 4 00	24 00
2 sets box stairs.....	a 15 00	30 00
11,300 feet framing lumber.....	a 20 00	226 00
4,500 feet common boards, dressed on one side.....	a 20 00	90 00
7,000 feet yellow pine flooring.....	a 30 00	210 00
2 ventilators.....	a 8 00	16 00
Iron floor beams, girders and columns.....	1,198 00	1,198 00
39 squares metal roofing.....	214 50	214 50
Nails.....	45 00	45 00
Steam pipe-heating.....	266 00	266 00
Carpenter work.....	500 00	500 00
168 feet hanging gutter.....	a 20	33 60
8 feet hanging gutter.....	a 20	14 08
4 hoppers for water closet.....	a \$12 00	48 00
30 yards plastering.....	a 20	60 00
Painting.....	60 00	60 00
Total.....	\$5,547 98	\$6,581 98

INVENTORY AND APPRAISEMENT

Of the Southern Illinois Penitentiary, October 1, 1884.

Items.	Value.
Machinery.....	\$73,198 74
Stone department.....	11,433 00
Construction.....	2,035 50
Brickyard.....	6,474 00
Store.....	1,570 00
Clothing.....	10,499 42
Hospital.....	1,335 43
Teaming.....	3,711 00
Farm.....	4,326 05
Cell-house.....	7,217 35
Convict kitchen.....	1,894 09
Solitary.....	128 55
Armory.....	1,334 50
Chapel and library.....	2,580 75
Shoe shop.....	129 20
Lamp room.....	71 96
Warden house.....	10,146 44
Female prison.....	1,243 08
Miscellaneous.....	5,870 00
Real estate.....	499,934 72
Total valuation.....	\$645,181 78

WARDEN'S REPORT.

CHESTER, ILL., October 1, 1884.

To the Honorable Commissioners of the Southern Illinois Penitentiary:

GENTLEMEN—I have the honor to submit my fourth biennial report.

We have had, since the 20th of March, 1878, eighteen hundred and nine (1,809) inmates in this penitentiary; the highest number reached, 735, was in July of the current year. We close the year September 30, 1884, with 635. For statistics I beg to refer you to tables of this report.

The valuation of property—real and personal—last reported was \$594,424.62. Our present invoice is \$645,181.78.

The prisoners not engaged in work under contract, or on the work of construction or ordinary work of the prison, have been largely and profitably employed in the stone quarry. There is no doubt as to the substantial growth of this branch of our industries, and a prospect for a still greater demand for the stone is very gratifying. Table marked "C" will give facts and figures of interest in this department.

In the month of March a contract was entered into with Messrs. Wiggins & Rogers, of Murphysboro, for 25,000 yards of rip-rap, to be delivered on barges at our landing at the rate of 47 cents per cubic yard.

In September of the present year another contract was made with the same parties for 50,000 yards of rip-rap at 50 cents per cubic yard. The work is being pushed with satisfactory results.

You will observe by the table for the first year, the cost per day for each man, with salaries, was .52.29 cents; without salaries, .25.25 cents. The second year, with salaries, .48.73 cents per man per day; without salaries, .21.73 cents per man per day. The last year our average was increased by 98 men. I refer to these figures to show that the expense *per capita* is decreased as the number is increased—the salaries, which largely make up this expense, being the same each year.

The above amount, being the total expense, includes many items not pertaining to the ordinary expenses of a prison—such as the expense of the brick-yard while carried on by the State; the expenses of the quarry, besides the purchase of a large boiler; adding a story to the building occupied by the boot and shoe contractors, and fitting up that building for heating with steam; rebuilding the burned brick-yard office and shop, and repairing the machine shop; cost of sewer over and above appropriation; expenses of lime kiln, etc.

Tables "E" and "D" show our ordinary prison expenses. You will observe our cash earnings for the year ending September 30, 1883, from contracted men, were \$27,900.57; from State men, \$21,267 26. For the year ending September 30, 1884, they were, from contracts \$43,808.55; from State men, \$23,884.93. The latter were almost wholly receipts from the quarry, as will be shown by reference to tables.

This date finds us with bills receivable on hand amounting to \$16,997.15.

The amount appropriated by the last General Assembly will be sufficient to meet all expenses until July 1, 1885.

In asking for an appropriation for the two years commencing July 1, 1885, I would state that if things continue as favorable in the future as in the past, I believe \$70,000 per year will answer. It will not be safe to ask for less, because a large portion of our force will be employed in construction and the ordinary work of the prison, and of course can not be earning any money. Those not so employed will be earning good wages, but with the number of prisoners we shall have, it will be impossible for those earning money to be able to pay the entire expense of the whole prison. We must have at least \$70,000 per year for the next two years.

I would also ask for an appropriation of \$500 per year for the use of the library; it needs this help, and nowhere can funds be more wisely expended.

We should look forward to the completion of the remaining cell-house, and I would recommend that an appropriation be asked for laying a foundation. It will be a work of considerable magnitude, and can never be accomplished as easily as now.

We are also in need of more shop-room. We can not lease men unless we have a place to work them. I would also recommend an appropriation for that purpose. A stone-shop is needed for cutting stone in connection with the quarry; an appropriation is wanted for that building.

Our present reservoir was built in the earliest days of the prison; it is inadequate for its present need. An appropriation should be made sufficient to build a larger one.

I would also ask for an appropriation of \$600 for an iron planer, a piece of machinery for which there is a continual demand; and also for \$450 for a boiler for quarry use to take the place of the one worn out; and \$600 for an additional drill. And for furnishing the laundry: \$600 for washing machine, \$250 for wringer and \$75 for a mangle, and \$1,300 for a rotary oven for convict kitchen.

The warden house is in need of additional furniture. As no appropriation has ever been made for that purpose, I would recommend that \$1,000 be asked for to be used in such purchases.

I would call your attention to the work done by the women under the efficient management of Mrs. H. T. Ives. With an average of twelve for the past two years, they have been credited with cash receipts for laundry work \$231.65; for work done for the boot and shoe contractors \$193.43. In addition they have during the past year, with the aid of two knitting-machines, furnished the men with 4,846 pairs of socks; they have made underclothes and coats and pants for the men, and have done all the laundry work for the warden house; all of which if computed in dollars and cents would show how valuable this department is to the institution.

I have, during the past year, had the privilege of attending several gatherings of prison men. In these conferences there has been much of practical worth to those entrusted with the management of penal institutions. I noticed the advanced ground taken by these representative men, and that reformation as well as punishment was fully discussed.

I have desired in the management of this institution not to lose sight of what may be accomplished in cultivating manhood, in the fullest acceptance of the term. I believe this can be done, by avoiding any unnecessary humiliation or undue severity, by stimulating the self-respect of the prisoner, and giving him the opportunity of being his own arbiter as to the treatment he shall receive. I am convinced from my experience that this course is not detrimental to good order and obedience. In the month of January last I commenced what is called "sociables," allowing those men who had merited the privilege to assemble in the chapel in companies of from one to two hundred, spend an hour in conversation and such recreation as the circumstances would permit. Still later in the season I abolished the "lock-step." I have seen no reason to regret having made these innovations on the long prescribed prison usage. The men have been more obedient and industrious. Our punishment record shows less infraction of the rules; from October, 1882, to October, 1883, 205 men were punished, the average yearly number of prisoners being 570. From October, 1883, to October, 1884, 129 men were punished, average yearly number of prisoners being 668; a gain in the per cent of good conduct with an increased average of 98. There has been no spirit of insubordination and no escapes for the last two years. There are other steps in this direction that might be taken, the tendency of which would be to elevate instead of degrade.

I am aware that the great draw-back to all reformation is the manner in which our prisons are arranged. A graded prison is a necessity; and with two penitentiaries in the State, the separation of the old and the young, the hardened and the novice in crime, might be brought about.

Let me call your attention to the reports of the Chaplain and Physician. In the former you will find many facts of interest, gathered from the history of more than 600 men, as to the influence that led them to a life of crime. The latter, in an average of 619

prisoners, and eleven deaths (showing a mortality of less than one per cent) speaks well for the health of the location and the skillful management of the physician in charge.

To you, gentlemen, I am indebted for continued courtesy and for your interest and sympathy in the work in which we are engaged. To the officers and employes I extend thanks for their faithfulness and diligence in the duties assigned to them.

Very respectfully,

JOHN C. SALTER,
Warden.

PHYSICIAN'S REPORT.

SOUTHERN ILLINOIS PENITENTIARY,
PHYSICIAN'S OFFICE, October 1, 1884.

To the Honorable, the Board of Commissioners:

GENTLEMEN—I hereby submit the following biennial report of the medical department of this institution, ending September 30, 1884.

In the months of March and April of the present year, following an open and changeable winter, it will be remembered, the prison population was visited by an epidemic influenza, or catarrhal fever, that prostrated and disabled for a week or more not less than one hundred men. Complicated with this fever were many cases of rheumatism and a general waking up of old complaints, especially chronic diseases of the lungs.

During the months of July and August just passed, it was also our fortune to be visited by an epidemic diarrhea and dysentery, from which about two hundred convicts seriously suffered. Of the above described sickness, both in the early spring and in the summer, but few cases were of sufficient gravity, however, to require hospital treatment; and it is due to the prison and to its management to say that this sickness was by no means confined to the prison population, but prevailed extensively, and in severe form, through the country.

In the female department of the prison, while Mrs. Ives, the matron, has had some serious difficulties to encounter, she has superintended and managed its affairs with admirable success. But in relation to female convicts, it may be assumed that the day is near at hand when, in accordance with the spirit of the age, and in obedience to the claims of common humanity and the high and holy demands of a universal philanthropy, State legislation will furnish to this class of criminals suitable prisons, secluded and separate from all others, and under such government and with such surroundings as will better insure the great ends for which prisons are established.

The prison diet, in quality, quantity, variety and preparation, is excellent, and there will very soon be a more abundant supply of pure water for drinking, cooking, bathing and all other needful purposes. Careful attention is constantly paid to ventilation, temperature, cleanliness of person and cell, and to sanitary matters generally. In all these particulars it is believed this prison is a model of excellence.

My connection with the hospital dates back only eight months, or to the first day of February, 1884. But I am assured from what the records show, and from what I have otherwise learned, that during the sixteen months of this biennial period previous to my residence here, the health of the convicts and the sanitary condition of the institution had been maintained with marked success by Dr. Gill, my worthy predecessor. I am happy to say that the health of the prison is now, and has been for several weeks, very good. It is true, however, we have in charge a few decrepit old men, whose constitutions are utterly broken down, and whose tottering steps portend an early grave.

Various tabulated statements accompany and constitute a part of this report.

In preparing a list of the names of diseases, I have adopted the alphabetical arrangement, because it is simple, unpretentious and not misleading, while every nosological or scientific classification hitherto attempted has been arbitrary, defective and unsatisfactory.

Very respectfully,

L. DYER, *Physician.*



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MORTUARY STATEMENT.

Register No.	Name.	Age.	Date of Death.	Cause of Death.
1,173	William Childers.	40	January 1, 1883.	Pneumonia (right side).
910	Charles Campbell.	59	April 14, 1883.	Debility of old age.
35	Thomas Church.	72	April 27, 1883.	Drowned.
1,162	Joseph Frank.	22	July 14, 1883.	Typhoid fever.
1,018	Douglas Drew.	32	November 10, 1883.	Killed by falling earth.
1,550	Charles Melissenheimer.	31	January 11, 1884.	Consumption.
1,470	William Jones.	23	February 23, 1884.	Consumption.
1,465	James O'Brien.	32	April 13, 1884.	Consumption.
1,113	John Atkinson.	41	May 1, 1884.	Pneumonia.
1,153	Thomas Rogers.	55	July 17, 1884.	Debility from Marasmus.
514	Alfred Jamison.	29	July 26, 1884.	Consumption.
717	Joseph Cunningham.	31	.. 7, 1884.	Syphilis of many years standing.
1,386	James Wood.	54	.. 28, 1884.	Dysentery acute.
1,582	George Washington.	21	.. 31, 1884.	Consumption and heart complications.

NUMBER SENT TO INSANE ASYLUM.

Register No.	Name.	Age.	When sent to Asylum.	Asylum.
1,283	William R. Burton.	47	August 11, 1883.	Washington, D. C.
1,359	Frank Watson.	26	.. 27, 1883.	Anna, Ills.
1,553	William B. Hyars.	35	January 14, 1884.	.. "
523	David Pittman.	25	July 8, 1884.	.. "

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Statement showing number of Deaths occurring, number of Convicts sent to the Insane Asylum, and the number of days lost, for the two fiscal years ending September 30, 1884.

MONTH.	No. of deaths occurring.		No. of Convicts sent to Asylum.		Number of days sick.		Number of days in the Hospital.	
	1883-1883.	1883-1884.	1882-1883.	1883-1884.	1882-1883.	1883-1884.	1882-1883.	1883-1884.
October.....					109	945	61	141
November.....					47	273%	23	186
December.....					156	946	80	146
January.....					163	310	106	137
February.....					248	385%	154	104
March.....					244%	392%	169	163
April.....					271%	674	176%	208
May.....					175%	473	108%	167
June.....					106%	456	64%	163
July.....					236	583%	79%	194
August.....					306%	531	166	184
September.....					331%	385%	200	139
Total.....	4	10	2	2	2,397%	4,862%	1,377	1,931

a—Drowned; b—killed; c—suicide.

	1882-1883.	1883-1884.
Daily average number of convicts in prison.....	568	668
Daily average number of convicts in hospital.....	4.4	6.15

Statement of Receipts and Expenditures.

1884.	<i>Receipts.</i>	
October 1.	Amount of drugs on hand October 1, 1882.....	\$310 83
	Amount of drugs received during the two fiscal years.....	2,082 26
	Amount of instruments on hand October 1, 1882.....	.....
	Amount of instruments received during the two fiscal years.....	.....
	Total amount of instruments and drugs.....	.....
		\$2,658 21
<i>Expenditures.</i>		
	Amount of drugs issued during the two fiscal years.....	1,824 78
	Balance on hand.....	\$823 43
	Average amount of drugs received monthly.....	\$84 68
	Average amount of drugs issued monthly.....	76 68

CHAPLAIN'S REPORT.

SOUTHERN ILLINOIS PENITENTIARY,
October 1, 1884.

To the Commissioners of the Southern Illinois Penitentiary:

GENTLEMEN—In pursuance of the requirements of the statute, I submit to you this report, as Chaplain of this prison, touching "the religious and moral conduct of the convicts during the past year, the service performed, and the fruits of the instruction given in my department, together with such other facts relative to the convicts as may seem proper to report."

I have found plenty of work to engage all available time. I need not say that many of my duties are anything but pleasant to a sensitive nature and a live conscience; and yet I have found great satisfaction in trying to help these fallen men, especially when I remember one of the reasons given for that final commendation which we all hope to hear, "I was in prison, and ye came unto me." I have tried to do my work in the spirit of this Divine thought.

My relations with officers, keepers and guards have been uniformly pleasant; no obstruction or hindrance, so far as I know, has ever been intentionally put in my way by any one. I have made it a point to know what my duties were in this delicate and difficult position, and have confined myself strictly to my department. Others have done the same towards me.

The convicts, generally, have been considerate and respectful in my intercourse with them, both in public instruction and in private conversations in cell house and hospital.

Library.

Our library, of nearly 3,000 volumes, has been faithfully and efficiently operated during the past year. The circulation of the library books average 300 volumes weekly, most of them are read through, and some of them with manifest profit. A middle-aged man, who has been here over two years, said to me the other day "I have learned more since I have been here than I ever knew in all my life before."

Most of these books are good; some of class "G" are utterly worthless, the veriest catch-penny clap-trap; trashy, sensational stories, terminating usually in the triumphant marriage of the hero and heroine. The tendency of such stuff is to *deform*, rather than *reform*; it creates a morbid taste, gives false views of life, inflames the passions, and disempowers for the earnest work of life. The more one reads of these books the less he will know that is worth knowing.

Though very popular, they are more than unprofitable—they are positively hurtful; they ought to be retired, and their places filled by wholesome standard literature.

School.

Our school last winter held over three months, two evenings in the week; though very helpful to the men, was not what it ought to have been, or what we propose making it this winter.

During the last term we depended almost entirely upon convict teachers; but while they were quite competent so far as literary qualifications are concerned, and did what they could, and deserved thanks for it, the plan did not work well—a convict will rarely receive a reproof or even a correction kindly from a fellow-convict. Yet the winter schools in the past have done much for many of the men—numbers who came in two or three years ago not knowing the alphabet, are now drawing and reading, weekly, books from the library, and, in this way, not only beguile the long winter evenings and Sabbath afternoons, but are gaining much useful knowledge.

For the present term we have more thoroughly organized the school, with competent citizen teachers selected and detailed from the list of keepers and guards, each one of whom will be assisted by a competent convict teacher.

The course of instruction is systematized, and teachers will be required to mark the grade of each scholar weekly in the several departments of study, and from these markings I will be able to report to you, as required by law, the proficiency made by each and all attending the school.

Most of the boys and younger men, who have short terms, are very anxious to learn, and some of them learn very rapidly. The older men and the life-men have no desire for anything more than merely to read.

Moral and Religious Instruction.

With regard to the moral and religious interest of the convicts, I have done what I could, and all that I could, under the circumstances.

We have had regular chapel service of song, reading the scriptures, prayer and sermon, every Sabbath morning at 9 o'clock; and with few interruptions, a separate service for the women, in their own department, at 1:30 in the afternoon.

My Sabbath discourses are not lectures or addresses, designed to entertain or merely to instruct, but *preaching*—the presentation in a simple style of the practical truths of Christianity, my sole aim

being to reach the conscience through the understanding. I have made the great doctrine of sin, with its attendant sufferings and complete redemption through the Lord Jesus Christ, prominent in all my religious teachings. I do not urge serious, well-disposed men, who are trying to do right through the love of the right, to make a formal profession of religion, for I feel that this is not the place for that; but, publicly and privately, I strive to implant such convictions of truth and duty as will issue in better lives; and especially with those who are here for a term of years, to inspire them with a determined purpose to lead peaceable, honest and industrious lives when they go out again in the world. Of "the fruits" of the religious instruction I have given, you must excuse me for speaking very modestly. I am not as sanguine as some religious teachers. Only the sequel can clearly disclose "results." I can not accord anything to the men for their prompt attendance upon chapel service, for that is enforced, but I do give them credit generally for that which is voluntary on their part—good attention. Many give an interested attention, as evidenced by their inquiries afterwards, in their cells, about the truths publicly discussed. Many of them read their bibles regularly, and quietly and unostentatiously pray morning and evening in their cells. Their behavior in obedience to rules, and faithful work, evidence their sincerity. Of the non-Catholic, or Protestant portion of the convicts, not more than twelve or fifteen ever made a formal profession of Christianity by uniting with some branch of the Church, and these all bear testimony that the letting go and turning away from their religion was the entering wedge to their downfall and ruin.

It seems very strange at first glance, that out of six hundred and twenty-nine convicts personally interviewed, only one avowed *blank infidelity*. Some are agnostic, some have no settled religious belief, but only one professed positive *disbelief*. This, however, only proves two things: (1) The general diffusion of christian sentiments. (2) That mere christian *sentiment* will not help a man in the least, for all true religion has reference to life, and the life of religion is to do good.

This I do know, that nothing in the universe can enable a fallen man to rise and stand again, but the power of truth. Carlyle well said, that "a lie is unbelievable." Even the effort of trying to believe a lie, will seriously hurt any man. Quite a number of our nearly seven hundred men I believe are honestly trying to do right in the fear of God, and through the love of the right. I mean, plainly, they are trying to live religiously. The conversion of one man last summer, (confessedly a very bad man before he came here, and very insubordinate after he came) a month before his death, as tested by a quiet spirit, the patient endurance of extreme and protracted suffering, and a peaceful and hopeful death, would have convinced me (had I doubted before) that the religion of Jesus can reach and save a convict.

Causes of Crime.

I have given the best thought of which I am capable to the study of the causes leading to crime. There are problems involved, of professional interest not only to the political economist and philanthropist, but full of interest to every citizen. Crime is becoming fearfully common, the desire to get money and property without earning it seems to have grown into a passion, while human life seems to be cheap. Thoughtful men pause and ask: What does it mean? The per cent. of second- and third-term men now in our prisons, does raise a question as to the adequacy of the punishment inflicted, in order to secure the prime end in view—the protection of society.

A personal interview with six hundred and twenty-nine men, now held in this prison, discloses the following facts, as reported by themselves, touching their antecedents:

Eighty-four per cent. had good homes when young.

Four per cent. had bad homes.

Twelve per cent. were homeless.

With Reference to Education,

Twenty-five per cent. are absolutely illiterate, can neither read nor write.

Thirty-three per cent. can barely read and write, and this was picked up by most of them after they were grown, and some since they came into prison.

Forty-two per cent. have elementary English, including a few who have had a collegiate course, and three or four classical scholars.

As Touching Moral Habits,

Sixty-two per cent. were habitually intemperate, or given to drinking, when in drinking company. A large number of these committed the crime for which they were sent here, in a state of intoxication.

Twenty-seven per cent. practiced gambling.

Thirty per cent. were licentious.

Anxious to know what these men themselves thought about the causes leading to their present degradation, this question was put to each one not asserting innocence: "*In your own thought and feeling, what do you regard as the cause involving you in this trouble?*"

Forty-two per cent. assigned intemperance as a direct cause.

Three per cent traced their crimes to gambling.

Twenty-one per cent. charged their crimes to the influence of *bad company*, in connection with intemperance.

Five per cent. asserted innocence, while the remaining *twenty-nine* per cent. recognized no special cause, other than "poverty," or "hard times and no work," or "spontaneous meanness."

These figures are highly suggestive, but they fail to solve the sphinx riddle, fully. There is no mistaking, however, by a candid man, from any truthful point of observation, the fixed relation between the indulgence in strong drink and crime.

Prison history, if faithfully written, would run up a long score against *whisky*. The proportion of illiteracy means much (for those who can barely read and write ought to be set down as illiterate), yet the forty-two per cent. of common English ought to secure better results. The fact is, there may be fair or even fine literary culture, while the moral nature is permitted to grow up into a tropical jungle of vices. Culture of head and heart together is the only security against crime. No matter how thoroughly a man's intellect may be developed, or how intelligent he may be, unless he has convictions of truth and duty, he is an unsafe man. There are educated, intelligent scoundrels locked up in all our prisons.

Punishment and Reformation.

The fact of crime given, the important question is, how may the great end aimed at, viz: *the protection of society*, be best secured, through the punishment of the offender? If the interests of the criminal were absorbed and lost sight of entirely in the consideration of the prime object in all punishment—the peace and safety of society—then the means to the attainment of this end would be very simple,—*put the offender clean out of the way*. But this object—the protection of society—in most cases, is modified (but not lost sight of) by the consideration of the interests and rights of the offender himself. The law virtually says: He may be reformed—saved to his family, to society; spare his life; shut him up for a term of years in prison, where he will have ample opportunity for reflection over his past life; where hard labor and privations will be a perpetual reminder of the suffering and shame that inevitably comes of wrongdoing; and by the help of such moral influences as a christian civilization may bring to bear upon him, induce a change in his mind and life, which will make it safe and prudent for him to return to society again, without endangering it.

A sentence for a limited term of years can not be justified on any other ground. If there is no hope of the offender's improvement by his imprisonment, what good can come to society by the State holding him to hard labor for two, three, five or ten years, and then turning him out into society again, the same hopeless thief or burglar,—nay worse than when he went in? Surely no one will be so insane as to say that the man has worked and suffered out his guilt. But suppose this were possible, what becomes of the *protection of society* by this method of punishment? The interests of society are wholly forgotten whenever we resolve punishment into *retribution*. Here is a man whom the State, through her courts, has formally and judicially pronounced a thief, and so, dangerous to society; he is sentenced to hard labor in the penitentiary for two years, and during these two years society is protected; but his term expires,—let it be remembered now that reformation is out of the question. "A deliberate thief," says the croaker, "never reforms." Very well, then *he is a thief still*; and yet the State turns this man—whom it

solemnly pronounced a thief, and who is still a thief, for he is incapable of improvement—out upon the community as soon as his two years' term expires! How is society protected in this? May we not cherish the hope that the time is not far distant when our criminal laws will be so changed as to embody the theory of Hon. G. W. Burchard,—and as partially practiced successfully in the New York State Reformatory,—given a crime committed, and the offender convicted and "*once in prison, let him stay there, not for a definite period, but for a definite purpose, let it be two years or twenty years.*"

All convicts are not professional criminals, or properly to be set down as belonging to the "criminal classes." Than this, no mistake in the matter of reform could be more fatal.

Criminals may be divided into three general classes in their attitude toward morality and religion:

(1.) Those who are susceptible and impressible for good; they have moral sensibility; their better nature yearns for a better life. They were generally the victims of impulse, if their crime was one of violence or very strong temptation, if it was a matter of unlawful gain; and their own sober second thought, buried deep in the soul, the barbed shafts of remorse. These are hopeful, and with proper treatment may be saved to society and to their families.

(2.) Those who are so far advanced in evil as to be utterly indifferent to purity, truth and goodness; these *may* be reached for good, but the odds are seemingly against it.

(3.) Professional criminals, with whom vice and crime are a matter of choice and habit, and in whose estimation honesty and integrity simply mean maudlin sentimentality. The crank who "can smile and smile, and be a villain still," belongs to this class. For these there seems to be *no hope* of reformation; their confirmation in the love of evil is so nearly if not quite complete, that available forces can not reach them; they have sunk to the stagnant level, where the possibilities of change for the better die out.

Grading the Men.

The failure to recognize these differences is the weak point in our prison system. Untold mischief, both negative and positive, comes of mixing up indiscriminately the comparatively good and the absolutely bad. The homeless, ignorant, neglected boy of seventeen years, who is led away by bad company into the commission of his first offense, is convicted and sent up for two years; perhaps, is put into a cell with an "old-timer," a professional burglar and safe-opener; or they may only work side by side in the shop, where by some strange telegraphy or telephony they will communicate, sufficiently, at least, to set in operation the law of equilibrium, which is usually disastrous to the good.

This is the shoal on which much of the effort of the Chaplain and other officers, in trying to prepare these men to go out with safety into society, when their time expires, is wrecked and lost; it is the fatal leak that in many instances sinks the ship. An old

book of high authority says: "One sinner destroyeth much good." That boy might be saved, to good citizenship at least, if he had a fair chance; but to send him to the penitentiary, and thrust him into close and constant association with worse men than those who first beguiled him into crime, is indeed punishment with a vengeance.

The only remedy for this evil under our present system is a wisely discriminating classification or gradation of the men—setting of the young and more hopeful ones, convicted for their first offense, by themselves, so that the reformatory and uplifting forces employed would not be promptly neutralized by contact with hardened professional criminals.

Without gradation, based upon actual differences in character and conduct, all must be treated alike. Herded together in common mass, the methods of government and discipline must in the nature of the case be uniform,—and necessarily will involve the strictness and severity demanded by the lowest and most vicious. But the effect of this extreme severity may be, will be, as different upon two of these men, as their nature and moral sensibilities are unlike—the one will be unaffected by it, the other will be crushed in spirit, and driven perhaps to recklessness, under the conviction that actual injustice and wrong has been done him; and feeling that honest effort to do right is not recognized or appreciated, he will become soured, and then embittered in feeling, until he is finally transformed into a demon.

After all, a convict is a man—a human being,—and if he is ever so recovered from his love of evil, and his criminal habits, as to make it reasonably safe and prudent for him to go into society again, it can only be by appealing to and developing the manliness,—little though it may be that is left in him. If there is nothing good or noble left to work upon, then for the peace and safety of society let him be declared *civiliter mortuus, sine die*, and shut up in prison during his natural life.

The fear of punishment may restrain, or it may not; as a matter of fact and history, it does not.

There are chances—many of them—between the crime and the punishment, and men do take them at a fearful hazard, sometimes.

Taken altogether, I think we have as orderly and well behaved a set of convicts, for their number, as can be found anywhere; the success of the weekly sociables demonstrates this. Not in one single instance, so far as I know, has this unprecedented privilege been seriously abused. It is true that we have a class of men whose misbehavior has worked a forfeiture of all prison privileges, and is frequently provoking the administration of severe discipline; yet I venture to say that the number of these is, comparatively, as small as can be found in any State prison.

Thanking you, gentlemen, for your kind indulgence and uniform courtesies, I am, most respectfully,

Your obedient servant,
T. F. Houts, *Chaplain*.

TABLES

ACCOMPANYING THE WARDEN'S REPORT.

EXHIBIT A.

Partition Abstract of Cash Received and Expended at the Southern Illinois Penitentiary during the fiscal year ending September 30, 1888.

RECEIPTS.	Sales and board.	U. S. prison-ers' clothing and dis-charge money.	Hide and tallow.	Con- victs' pos-its.	Gate receipts.	Sewer and land.	Stone and brick.	Convict labor.	Auditor.	Total.	Balance.
1882 Oct. 1, balance on hand.....											\$3,242 04
October.....	\$713 00		\$352 45		\$108 00		\$1,776 75		\$10,000 00	\$12,860 20	
November.....	531 00			\$380 00	21 00		1,577 31	\$1,814 58	10,000 00	14,252 86	
December.....	453 02		330 97	105 04	7 50		2,962 50	1,881 75	10,000 00	15,711 42	
1883 January.....	499 12		210 00	219 41			6,555 26	2,107 52		9,621 31	
February.....	383 71			83 30	13 00		50 40	2,366 67		2,816 83	
March.....	460 05			190 30	11 00		212 45	2,681 05	10,000 00	12,916 83	
April.....	385 00		417 00	238 40	8 50		9 10	2,833 61		3,412 63	
May.....	292 40			36 13	37 00		213 08	2,193 70		3,517 39	
June.....	971 60		334 51	211 40	18 75		3,656 88	8,082 48	30,000 00	43,228 71	
July.....	486 03			137 45	23 75		1 8 08	456 59	10,000 00	11,241 88	
August.....	968 41		135 60	165 48	17 50	\$1,500 00	2,814 74	3,227 60	10,000 00	22,087 36	
September.....	387 66	\$858 00	264 40	237 90	61 60	4,000 00	1,299 82	1,000 00		7,256 70	
Total.....	\$5,921 90	\$858 00	\$1,938 93	\$2,283 58	\$329 00	\$3,500 00	\$21,267 26	\$27,900 57	\$30,000 00	\$159,024 54	
Grand total.....											\$161,216 58

EXHIBIT B.

Partition Abstract of Cash Received and Expended at the Southern Illinois Penitentiary during the fiscal year ending September 30, 1884.

[illegible]

Exhibit B—Continued.

EXPENDITURES.	Construction.	Machinery, furniture, etc.	Convict deposit account.	Library.	Expenses.	Total.
1883 Oct. 1, bal. due sundry creditors.....						\$12,086 08
.. October.....	\$44 58	\$1,180 92	\$217 85		\$10,269 78	\$11,662 19
.. November.....	1 51	2,856 56	249 35		10,889 08	13,152 48
.. December.....	618 57	2,049 16	265 30		9,534 97	12,544 92
1884 January.....	414 42	2,427 77	150 91	\$111 72	10,421 47	13,404 82
.. February.....	972 85	2,418 36	150 91	121 51	10,147 31	13,446 83
.. March.....	301 78	1,514 83	134 88	65	10,336 86	12,369 12
.. April.....	229 50	1,112 49	373 70		10,210 07	11,525 96
.. May.....	8 75	2,267 44	160 01		8,776 39	12,318 39
.. June.....		1,472 13	269 24	1 65	10,161 76	11,944 78
.. July.....	56 90	1,334 15	263 39	16 45	10,392 04	11,876 93
.. August.....	524 49	1,086 33	143 47		9,576 33	11,331 62
.. September.....	647 10	1,266 86	280 20		9,634 62	11,828 78
Totals.....	\$3,819 38	\$20,490 89	\$2,620 60	\$253 02	\$120,425 60	\$147,609 49
Bal. due sundry creditors Oct. 1, 1884.....						\$159,695 57
						\$4,302 99

EXHIBIT C.

Table showing the number of days earning money for the Southern Illinois Penitentiary, and the average earning per man per day for the two fiscal years ending October 1, 1884.

DEPARTMENT.	October 1st, 1882. to October 1st, 1883.		October 1st, 1883. to October 1st, 1884.	
Contract.....	68,273		84,379	
Quarry.....	22,426	90,699	38,648	123,527
Construction.....	21,167		5,339	
Sewer.....	6,557		3,297	
Macadam.....	3,171	30,895	7,439	16,075
Machine shop.....	8,478		12,694	
Stables.....	6,720		5,670	
Convict kitchen.....	3,684		3,644	
Officers department.....	7,965		9,183	
Clothing department.....	3,240		3,240	
Female department.....	3,465		3,500	
Cell-house men.....	4,510		4,510	
Paint, harness and tobacco shop.....	3,150		3,150	
Attending gates.....	2,520		2,520	
Farm and garden.....	2,010	46,342	3,150	51,381
Idle on account of weather.....	4,653		9,011	
Sick.....	3,044		5,747	
Punishment.....	1,614	9,311	1,624	16,372
Totals.....		177,247		207,355

	October 1st, 1882. to October 1st, 1883.	
	No. of days.	Am't earned.
Number of days earning money to October 1st, 1883.....	90,699	\$49,167 83
Average earning per man per day to October 1st, 1883.....		54½
	October 1st, 1883. to October 1st, 1884.	
	No. of days.	Am't earned.
Number of days earning money to October 1st, 1884.....	123,527	\$84,190 63
Average earning per man per day to October 1st, 1884.....		68½

EXHIBIT D.

Partition Statement of Expenses of the Southern Illinois Penitentiary, showing the Aggregate Monthly and Yearly Expenses, the average cost per convict per day and year, during the fiscal year ending September 30, 1883.

DEPARTMENT EXPENSES.	1882. Oct.	1882. Nov.	1882. Dec.	1883. Jan.	1883. Feb.	1883. Mar.	1883. April.	1883. May.	1883. June.	1883. July.	1883. Aug.	1883. Sept.	Total for year.	PER CONVICT	
														Per year.	Per day.
Salaries, board and lodging of officers.....	\$4342 51	\$4598 25	\$661 66	\$1833 34	\$1636 76	\$5150 57	\$4676 65	\$4056 50	\$4654 50	\$1541 65	\$4423 47	\$5088 63	\$56,072 27	\$98 71	27.04
Convict subsistence.....	1,933 07	1,983 62	2,022 58	2,014 22	1,880 31	2,234 29	2,155 19	2,452 32	2,230 58	2,352 98	2,185 18	2,082 72	25,636 99	44 94	12.31
Convict clothing, bedding and laundry.....	470 04	628 70	645 93	271 05	459 63	331 20	603 04	384 08	995 80	341 82	429 13	276 04	5,836 46	10 27	2.81
Convict discharge, clothing and transportation.....	316 35	919 35	43 40	476 92	498 10	218 91	387 83	416 60	296 90	156 99	561 75	387 85	4,651 55	8 18	2.24
Cell-house, including ration of candles and tobacco.....	151 48	159 80	219 62	171 08	173 76	209 73	167 96	143 44	183 56	150 16	142 55	175 83	2,048 97	3 60	0.98
Female prison, fuel, including incidentals, guard-house, shop, solitary, armory, yard, etc.....	99 65	110 23	130 35	153 53	108 24	94 24	94 29	84 88	45 65	44 45	46 40	57 45	1,069 36	1 88	0.51
Teaming and stables.....	138 88	314 20	514 27	183 12	148 75	89 41	46 30	129 07	366 21	307 17	82 83	330 18	2,436 18	4 28	1.19
Hospital (special supplies).....	160 71	10 14	12 51	124 48	41 19	40 41	127 31	51 34	62 44	235 62	63 53	49 17	984 75	1 73	0.47
Motive power, steam heating, cooking and ventilating.....	385 50	408 31	411 31	418 37	769 45	630 45	216 94	387 02	444 87	454 50	480 35	460 83	5,476 40	9 63	2.63
Gas and electric light.....	113 05	115 00	155 00	154 10	124 70	113 18	101 67	63 33	49 75	44 27	41 73	72 27	1,146 05	2 01	0.55
Office expenses, books, stationery, etc.....	195 30	60 00	91 70	11 10	127 80	117 15	40 75	97 65	34 05	45 00	80 20	232 36	1,133 06	1 99	0.54
Travelling, advertising, transportation for insane, for capturing escaped convicts, express charges, etc.....	48 95	87 15	136 30	156 25	253 65	338 10	166 85	160 00	275 00	111 80	80 25	314 00	2,128 30	3 57	1.02
Total	\$8391 52	\$9805 34	\$9071 63	\$8969 56	\$9252 37	\$9687 64	\$8785 38	\$9026 25	\$9514 96	\$8479 31	\$9617 47	\$9176 83	\$108,510 24	\$190 79	52.29

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40

Yearly
88.

CONVICT	Per day.
71	27.04
94	12.31
27	2.81
18	2.24
60	0.98
88	0.51
28	1.19
73	0.47
63	2.68
01	0.55
99	0.54
57	1.02
79	62.29

E

DEPA

Salaries,
officers
Convict
laundry
Convict
transp
Cell-hou
candle
Female
Inciden
solitary
teaming
Hospital
Motive
cooking
Gra and
Office ex
ery, etc
Travelling
station
escapac
charges
Total

EXHIBIT E.
Partition Statement of the Expenses of the Southern Illinois Penitentiary, showing the Aggregate Monthly and Yearly Expenses, the average cost per convict per day and year, during the fiscal year ending September 30, 1884.

DEPARTMENT EXPENSES.	Average cost per day and year.										Total for year.	PER CONVICT.	
												Per year.	Per day.
	1883.	1883.	1883.	1884.	1884.	1884.	1884.	1884.	1884.	1884.			
October.	Nov.	Dec.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.		
Salaries, board and lodging of officers.	\$5,611.20	\$5,598.92	\$5,175.84	\$5,861.95	\$5,154.95	\$5,470.57	\$5,357.03	\$5,518.55	\$5,107.55	\$5,551.81	\$5,945.66	\$66,106.92	\$98.96
Convict subsistence.	2,391.92	2,193.40	2,433.63	2,260.67	2,129.13	2,438.34	2,386.80	2,655.38	2,765.99	2,671.40	2,534.30	2,460.58	43.75
Convict clothing.													
Bedding and laundry.	624.30	667.51	395.40	708.70	323.67	402.29	355.21	412.11	402.03	1,211.31	141.11	274.90	8.86
Convict discharges.													
Clothing and trans- portation.	219.32	257.75	221.65	293.93	748.15	571.32	383.44	77.05	365.10	195.90	473.91	376.10	6.07
Cell-house, includ- ing ration of can- dles and tobacco.	124.84	126.57	169.73	126.10	126.17	155.07	146.87	170.60	143.44	130.84	31.41	30.91	1,432.55
Female prison, fuel, including incident- als, guard-house, shop, solitary ar- mory, yard, etc.	16.15	78.81	25.81	33.47	46.04	22.03	46.61	51.07	7.06	23.59	6.42	17.60	0.51
Teaming and stu- bles.	116.82	161.50	173.58	267.92	138.86	6.59	660.15	11.20	99.67	114.20	235.22	31.45	3.04
Hospital (special supplies).	139.57	43.70	8.89	192.96	174.91	66.22	155.49	12.77	134.25	108.73	79.73	88.33	1,265.55
Motive power, steam, heating, cooking and venti- lating.													
Gas and electric light.	400.13	654.72	481.52	79.70	876.02	651.71	330.09	640.25	527.37	316.71	233.35		5,191.57
Office expense, books, stationery, etc.	365.74	8.39	113.24	157.55	127.06	113.47	107.80	65.20	49.86	57.85	75.87	141.30	1,383.32
Traveling, advertis- ing, transportation for insane, for cap- turing escaped convicts, express charges, etc.	50.00	27.35	42.45	55.95	23.15	48.90	75.11	45.03	16.70	63.02	20.35	31.75	502.76
	312.70	22.94	283.33	332.57	274.80	150.35	141.90	278.70	131.73	301.25	106.50	242.95	2,926.18
Total.	\$10,269.78	\$10,089.08	\$9,524.97	\$10,421.47	\$10,147.21	\$10,326.88	\$10,210.07	\$9,776.30	\$10,161.76	\$10,302.04	\$9,570.33	\$9,634.62	\$120,425.60
													\$180.37
													49.73

EXHIBIT G.

Statement showing the issues of Clothing Department for Convicts Clothing and Bedding, the aggregate expenses of the same, and the average cost per convict per day and month, during the fiscal year ending September 30, 1884.

ARTICLES.	1882.	1882.	1882.	1883.	1883.	1883.	1883.	1883.	1883.	1883.	1883.	Total.
	Oct.	Nov.	Dec.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.
(A.)												
Cap. s. No.	46	36		7	10	4	20					123
Cap. s. No.	51	43	26	9	10	4	10	10	3	2		171
Cap. s. No.	60	57	41	20	15	91	27	23	102	36	59	579
Vests. Pairs.	63	61	39	16	10	2	7					203
Shoes. Pairs.	80	74	74	42	37	25	23	40	45	38	46	517
Boots. Pairs.	21			24	16							61
Aprons.	67	60			13	35	30	60	40	62	16	412
Handkerchiefs.	106	111	98	102	88	120		122	112	90	54	1,087
Towels.	85		56	48	42	64		73	49	43	50	570
Socks, woolen.	840	180					1,200					1,020
Socks, cotton.												1,200
Wool shirts.	24	36						26	12	26		124
Hickory shirts.	1	1	14	103	100	111	169	279	42	125	116	1,122
Undershirts.	101	100	43	74	84	84	71					496
Drawers.	180	66	60	51	68							92
Night shirts.												524
Mittens.	180	28	25	148	16		128					102
Knit gloves.				24								3,410
Slippers.			60		6	6		24				300
Soap plant.	360	360		600	280	720	6	360	360			300
Needles.	36			72	108	36	72	144	108	108		108
Spool cotton.			2,500		500		1,000					4,900
Spool flax.							24			3		72
Knotted flax.	4			6						10	35	6
Combs.						4	2					6
Pant buttons.				2						3		6
Buckles.										2		3
Crash toweling.			214			307 1/2	307 1/2	324		6		6
Brown duck.			549 1/2			525 1/2	307 1/2					1,527 1/2
Canton flannel.		1,045	104 1/2			525 1/2	150 1/2			257		610 1/2
Muslin.	109			109			100 1/2	788 1/2		494		1,706 1/2
Hickory shirting.	516 1/2	466					1,009 1/2		456	972 1/2		3,548 1/2
Convict stripe.									1,035 1/2			1,322 1/2
Sole leather.	71 1/2	141		70 1/2	299 1/2	58	18 1/2	66		335		967 1/2
Shoe nails.	5	29	54 1/2		108 1/2	70				65		319

EXHIBIT H.

Statement showing the issue of Clothing Department for Convict Clothing, Bedding, etc., the aggregate expenses of same, and the average cost per convict per day and month, during the fiscal year ending September 30, 1884.

ARTICLES.	Oct. 1883.	Nov. 1883.	Dec. 1883.	Jan. 1884.	Feb. 1884.	Mar. 1884.	Apr. 1884.	May 1884.	June 1884.	July 1884.	Aug. 1884.	Sept. 1884.	Total.
Cans.....	No		27	43	55	17		8	2	90		100	244
Coats.....		35	50	20	20	20	20	40	10	13			278
Trunks.....		61	58	100	77	52	42	3	50		41	47	569
Shirts.....	Pairs	46	6	30	47	132		23	90	265		48	780
Shoes.....		72	150					139		159			318
Boots.....	No												45
Aprons.....	Pairs	44			1					100	13	82	912
Hankies.....	No		116	5	30	12	175	113	119		185		1,481
Towels.....	No	364		281	68	6	342	110	128	154			756
Pillow cases.....		67	109	132	47		118	118	120		3		774
Socks.....	Pairs	109	120	101			193		121	155			140
Bed ticks.....			140				39						39
Woolen shirts.....	No	51	42		39			57	1	9	2		201
Hickory shirts.....		24	24	19	12	37	22		16	17			186
Under shirts.....		40	269	8	180	54	38	290	105	160	26	6	1,176
Drawers.....		205	104	58	2	3	34						509
Night shirts.....		4	122	6	52	83	60	1	6			189	811
Pillow ticks.....					1		109						116
Mittens.....	Pairs	43	5		54	48	64	14	24	181	156	72	1,174
Leggings.....		112	98	301	58			157	15	45	6		458
Knap-panders.....		39	120		226	48		3	42	7	18		396
Slippers.....		6	18		42					1,500			47
Soap.....	Pounds	720	510		720	103	720	144	108	180	141	108	4,380
Soap Plants.....			108	72	72	108	103		3				1,152
Needles.....	No	1		1			1						6
Spool cotton.....	Box	72							24				108
Spool flax.....					22		1	1 1/2	12			12	45
Knotted flax.....	Pounds				5			5	8	4			18 1/2
Combs.....		3								3		3	21 1/2
Pants buttons.....	Gt. gross	2 1/2											872
Buckles.....							28 1/2		160	100		134 1/2	791 1/2
Crash toweling.....	Yards	174					412			203			818 3/4
Brown duck.....		174											2,380 1/2
Caution flannel.....		174											5,005
Caution flannel.....		174											748 1/2
Hickory shirting.....		156					823 1/2	50 1/2	1 1/2	402 3/4	991		
Convict stripe.....		1,091 1/2		748 1/2	1,012 1/2	538 1/2		1,003 1/2	9 8 1/2				

Sole leather.....	Pounds	177½	.....	.....	208¼	50	254¼	241¼	30	265	.....	.....	1,907¾
Shoe nails.....	.....	130	.....	.....	38	105	20	24	1	247	17	.....	630
Old seal.....	Yards	.....	570	.....	.....	.....	.....	.....	.....	.....	.....	.....	50
Straw hats.....	Dozen	.....	.....	.....	.....	.....	42	.....	107½	.....	.....	.....	42
Woolen shirting.....	Yards	.....	27¾	.....	.....	.....	.....	.....	.....	.....	.....	.....	885¼
Blankets.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calf skin.....	Pounds	1¼	.....	.....	.....	.....	.....	46	.....	379	.....	.....	2¼
Ticking.....	Yards	1,001¼	.....	.....	58¾	16	.....	21	2¼	86	.....	.....	1,485¾
Lace leather.....	Pounds	23 92	\$0 67	\$8 23	\$5 83	\$27 17	\$15 42	\$10 14	\$4 27	\$27 56	\$0 45	.....	22½
Sundries.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$111 86
		\$624 39	\$667 54	\$395 40	\$708 70	\$328 07	\$402 29	\$355 24	\$402 05	\$1,211 31	\$141 11	\$274 99	\$5,923 80

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total.
Total number of days.....	18,484	18,678	19,301	19,994	18,418	20,377	20,287	21,748	21,833	22,142	21,455	20,614	243,896
Daily average No. convicts.....	596	622	642	648	634	657	675	701	727	714	692	687	608
Average { per man per month.....	\$1 04	\$1 07	\$0 63	\$1 10	\$0 51	\$0 61	\$0 52	\$0 58	\$0 55	\$1 69	\$0 20	\$0 64	\$8 86
cost { per man per day.....	3.33	3.56	2.03	3.56	1.41	1.96	1.73	1.93	1.83	5.45	0.64	0.40	2.42

EXHIBIT I.

Statement showing the expenses of Discharged Convicts from the Southern Illinois Penitentiary for discharge clothing and transportation, the average cost per prisoner discharged, and the average cost per convict per day, during the fiscal year ending September 30, 1883.

MONTHS.	Number of convicts discharged	Coats	Pants	Vests	Shoes	Hats, dozen	Shirts, dozen	Socks, doz. pair	Drawers, doz. prs.	Undershirts, doz.	Suspenders, doz.	Collars, boxes	Neckties, doz	Collar buttons, gross	Total cost	Discharge and transportation	Total discharge expenses	Average cost per prisoner discharged	Average cost per convict per day
1882 October	12	21	21	21	48	9½	6½	13	10	10	1	1	6	1	\$210 00	\$117 65	\$327 85	\$27 82	.....
November	55	21	21	21	21	9½	2½	13	10	10	1	6	1	1	46 90	430 55	851 45	24 82	.....
December	5	38	38	38	38	2	2½	13	10	10	1	6	1	1	179 27	289 15	74 90	14 99	.....
1883 January	26	28	29	28	6	½	2½	13	10	10	1	6	1	1	127 85	361 65	468 42	18 01	.....
February	30	28	29	28	6	½	2½	13	10	10	1	6	1	1	26 00	264 24	480 60	16 32	.....
March	19	6	6	6	92	½	2½	13	10	10	1	6	1	1	56 58	262 76	290 24	16 27	.....
April	30	6	6	6	92	½	2½	13	10	10	1	6	1	1	152 40	214 70	319 33	10 64	.....
May	18	26	29	28	6	½	2½	13	10	10	1	6	1	1	122 45	165 95	367 10	20 99	.....
June	16	24	51	24	1	4½	4½	4	10	10	1	6	1	1	65 74	122 76	288 40	18 02	.....
July	10	1	1	1	1	4½	4½	4	10	10	1	6	1	1	397 70	9 55	188 50	18 85	.....
August	25	62	74	74	9	½	2½	13	10	10	1	6	1	1	56 10	313 25	683 25	21 56	.....
September	23	3	3	3	24	½	2½	13	10	10	1	6	1	1	56 10	313 25	393 35	16 05	.....
Totals	250	238	269	256	164	12½	13½	17	10½	10½	11½	10	6	8	\$1,772 19	\$2,886 20	\$4,608 39	\$18 67	Cts. 2.24

EXHIBIT K.

Statement showing the expenses of Discharged Convicts from the Southern Illinois Penitentiary for discharge clothing and transportation, the average cost per prisoner discharged and the average cost per convict per day, during the fiscal year ending September 30, 1884.

MONTHS.	Number of convicts discharged.....	Coats.....	Pants.....	Vests.....	Shoes.....	Hats, dozen.....	Shirts, dozen...	Socks, doz. pairs	Drawers, dozen pairs.....	Undershirts, doz	Suspenders, doz	Collars, boxes..	Neckties, dozen	Collar buttons, gross.....	Total cost.....	Discharge and transportation.	Total discharge expenses.....	Average cost per prisoner discharged.....	Average cost per convict per day
1883 October.....	12	2	2	2	2	6	4½	6	6	6					\$115 82	\$97 50	\$213 32	\$17 77	.....
.. November.....	16	4	4	4	4	1	.....	.....	.....	.....	.....	.....	.....	.....	84 40	173 35	257 75	16 10	.....
.. December.....	20	7	7	7	7	1	.....	.....	.....	.....	.....	.....	.....	.....	56 15	165 50	221 65	11 0	.....
1884 January.....	18	3	3	3	3	2	2	6	6	.....	5¾	.....	.....	.....	92 48	201 45	283 93	16 38	.....
.. February.....	20	86	86	86	86	6	7	.....	.....	1½	6	.....	.....	.....	435 40	312 75	748 15	37 40	.....
.. March.....	23	12	12	12	12	6	.....	.....	.....	8	¾	.....	.....	.....	228 57	272 75	501 32	17 90	.....
.. April.....	17	9	9	9	9	2	.....	.....	8	.....	.....	.....	.....	.....	83 39	230 03	353 44	19 61	.....
.. May.....	7	13	13	13	13	2	.....	.....	.....	.....	.....	.....	.....	.....	112 00	252 50	365 10	11 00	.....
.. June.....	21	1	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	50 05	145 85	195 90	16 90	.....
.. July.....	17	1	1	1	1	2	6	.....	.....	.....	1½	.....	.....	.....	78 22	395 75	473 97	11 52	.....
.. August.....	31	38	38	38	38	1½	.....	.....	.....	.....	6	.....	.....	.....	286 30	89 80	376 10	15 24	.....
.. September.....	25	38	38	38	38	1½	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 0	.....
Totals.....	232	198	192	177	156	15½	19¾	12	14	15¼	19½	3	13	1	\$1,623 38	\$2,434 30	\$4,057 68	\$17 49	Cts. 1.66

TABLE No. 2.

Number of Prisoners on hand for each day during the fiscal year ending September 30, 1884.

1883 TO 1884.

DATE.	Oct., 1883.	Nov., 1883.	Dec., 1883.	Jan., 1884.	Feb., 1884.	Mar., 1884.	April, 1884.	May, 1884.	June, 1884.	July, 1884.	Aug., 1884.	Sep., 1884.
1.....	576	614	630	648	635	647	669	688	710	724	706	684
2.....	576	614	630	648	636	658	669	687	710	723	705	688
3.....	579	620	630	649	635	658	669	690	723	722	704	688
4.....	578	621	629	649	635	658	668	690	730	722	704	688
5.....	578	621	629	649	635	656	668	690	730	722	699	689
6.....	578	621	630	649	634	656	671	691	730	721	699	688
7.....	579	621	630	649	637	657	671	690	733	720	696	687
8.....	579	621	636	649	637	656	670	689	732	718	695	687
9.....	588	619	637	649	639	657	667	689	732	717	694	687
10.....	590	619	636	649	639	657	669	694	732	717	692	686
11.....	583	619	644	649	639	655	673	694	731	717	692	685
12.....	594	619	643	648	637	655	672	694	730	717	692	686
13.....	585	622	643	648	636	654	672	694	730	716	691	687
14.....	596	622	646	648	634	652	671	705	729	716	691	686
15.....	596	621	646	646	637	650	668	705	729	715	691	685
16.....	598	621	646	646	633	651	674	705	729	715	690	686
17.....	603	621	646	647	630	651	675	708	728	713	691	686
18.....	603	620	646	648	630	654	674	708	729	712	691	688
19.....	602	620	648	648	632	653	673	708	730	710	691	689
20.....	601	625	648	644	631	655	678	708	732	709	689	690
21.....	609	628	647	644	629	654	678	711	732	709	699	687
22.....	609	629	617	644	630	654	680	710	729	709	689	687
23.....	609	627	644	643	628	658	681	709	729	709	698	685
24.....	609	627	644	642	631	658	683	709	728	709	696	684
25.....	607	627	642	641	630	657	683	712	725	709	696	692
26.....	609	627	642	640	629	657	682	712	729	710	690	691
27.....	609	626	653	636	642	670	686	712	727	710	696	689
28.....	607	627	655	636	643	671	686	712	727	709	696	688
29.....	607	629	655	636	647	670	688	712	724	708	684	688
30.....	613	630	651	636	.....	669	689	712	724	708	684	685
31.....	614	.....	648	636	.....	669	.....	710	.....	706	684	.....
Total.....	18,484	18,678	19,901	19,994	18,413	20,377	20,267	21,748	21,833	22,142	21,455	20,614
Monthly average.	596	622	642	648	634	657	675	701	727	714	692	687
Total convict days.....											243,896	
Daily average for the year.....											668	
Greatest number.....											733	
Least number.....											576	

TABLE No. 3.

Statement showing the number of Convicts in Southern Illinois State Penitentiary received, discharged and otherwise released, died and escaped; also the highest, lowest and average number of convicts during each month, for the year ending September 30, 1883.

1882 to 1883.

MONTHS.	RECEIVED.						RELEASED.						Convicts on hand at each month.....		Convicts on hand during month.....		Daily average for month.....		Average number for year.....						
	From courts.....		Escaped convicts recaptured.....		Returned from insane asylum.....		Ret'd from writs of habeas corpus.....		Total in.....		Discharged at expiration of sentence.....		Pardoned.....		Died.....		Sent to insane asylum.....		Discharged by order of courts.....		Out on writ of habeas corpus..		Total out.....		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1882	46	2	37	2	33	1	1	2	1	1	2	1	530	8	538	524	541	538	541	530	560	554	549	554	
October 1.....	36	1	24	1	23	5	23	1	23	1	1	1	532	8	581	560	570	581	560	570	580	569	570	580	
November.....	24	1	24	1	23	5	23	1	23	1	1	1	533	8	567	561	571	567	561	571	581	561	571	581	
December.....	7	1	24	1	23	5	23	1	23	1	1	1	533	8	567	561	571	567	561	571	581	561	571	581	
1883	24	2	31	2	19	1	19	1	19	1	1	1	547	8	574	555	564	567	555	564	574	555	564	574	
January.....	31	2	37	2	27	1	27	1	27	1	1	1	559	10	579	569	569	567	569	579	569	569	569	579	
February.....	37	2	29	2	17	1	17	1	17	1	1	1	566	10	591	577	584	579	591	584	591	577	584	591	
March.....	37	2	29	2	17	1	17	1	17	1	1	1	566	10	591	577	584	579	591	584	591	577	584	591	
April.....	15	1	15	1	15	1	15	1	15	1	1	1	576	12	594	586	590	588	594	586	594	586	590	594	
May.....	15	1	15	1	15	1	15	1	15	1	1	1	576	12	594	586	590	588	594	586	594	586	590	594	
June.....	7	1	7	1	10	1	10	1	10	1	1	1	572	12	588	579	583	579	583	579	583	579	583	579	
July.....	4	1	4	1	23	1	23	1	23	1	1	1	551	12	585	563	574	585	563	574	585	563	574	585	
August.....	36	1	36	1	22	1	22	1	22	1	1	1	565	11	579	564	571	565	571	579	564	571	579	564	
September.....	296	7	296	7	234	2	234	2	234	2	2	2	249	4	249	4	249	249	249	249	249	249	249	249	249
Total.....	296	7	296	7	234	2	234	2	234	2	2	2	249	4	249	4	249	249	249	249	249	249	249	249	249

TABLE No. 4.

Statement showing the number of Convicts in Southern Illinois State Penitentiary received, discharged, and otherwise released, died and escaped; also the highest, lowest and average number of convicts during each month, for the year ending September 30, 1884.

1883 to 1884.

MONTHS.	RECEIVED.						RELEASED.						Convicts on hand at each month.....		Convicts on hand during month.....		Daily average for month		Average number for years...
	M.	F.	M.	F.	M.	F.	From Courts.....	Escaped convicts recaptured.....	Returned from insane asylum.....	Returned from writs of habeas corpus.....	Total In.....	Discharged at expiration of sentence.....	M.	F.	M.	F.	Largest.	Small-est.	
1883 October 1.....	51	...	...	...	...	...	...	...	...	...	...	11	565	11	630	576	596	...	...
.. October.....	34	...	...	...	...	...	...	...	...	...	...	15	620	11	655	614	622	...	...
.. November.....	38	...	...	...	...	...	...	...	...	...	...	19	638	10	649	630	642	...	...
.. December.....	7	...	...	...	...	...	...	...	...	...	...	17	626	10	647	636	648	...	...
1884 January.....	35	...	...	...	...	...	...	...	...	...	...	17	626	10	647	628	634	...	...
.. February.....	47	...	...	...	...	...	...	...	...	...	...	19	638	11	671	647	657	...	...
.. March.....	37	...	...	...	...	...	...	...	...	...	...	28	640	7	671	647	675	...	...
.. April.....	39	...	...	...	...	...	...	...	...	...	...	1	658	11	689	688	701	...	...
.. May.....	36	...	...	...	...	...	...	...	...	...	...	1	677	12	712	688	701	...	...
.. June.....	36	...	...	...	...	...	...	...	...	...	...	2	698	12	712	688	701	...	...
.. July.....	1	...	...	...	...	...	...	...	...	...	...	3	711	13	733	710	727	...	...
.. August.....	11	...	...	...	...	...	...	...	...	...	...	31	693	13	724	706	714	...	...
.. September.....	27	...	...	...	...	...	...	...	...	...	...	25	672	12	706	684	692	...	...
Total.....	354	5	1	...	...	...	356	5	236	6	7	11	246	6	...	...	...	...	668

TABLE NO. 5.

Table showing the length of sentences of Convicts received at the Southern Illinois Penitentiary during the two fiscal years ending September 30, 1884, and sentence being served by Convicts on hand at that date.

Sentence.		1882 to 1883.		Total.		Sentence.		1883 to 1884.		Total.		Total.		(Grand total of Sentence in—	
Years.	Months.	Oct. 1, 1882, Sept. 30, 1883.		Years.	Months.	Years.	Months.	Oct. 1, 1883, Sept. 30, 1884.		Years.	Months.	On Hand.	Years.	Months.	
1	8	1	1		8		3	1	1		3				6
1	9	1	1		9		6				6				
1	1	100	100	1	1	1	1	104	104		104	89	89		
1	3	1	1	1	3		3	2	2		2		2		6
1	4	1	1	1	4		3	2	2		2		2		
1	6	9	13	1	6	1	5	1	1		1	16	1	1	5
2	2	49	98	2	2	2	6	81	162		162	107	24	24	
2	2	1	2		2		1						214	214	
2	6	4	10	2	6	2	3	1	1		1	1	2	2	2
3		48	144	3		3	6	57	171		171	128	17	17	6
4		10	40	4		4	6	20	80		80	10	3	3	6
5		32	160	5		5	10	1	4		4	47	9	9	
6		6	36	6		6	10	21	84		84	22	2	2	8
7		6	42	7		7	6	10	60		60	88	415	415	
8		6	48	8		8	6	6	42		42	25	150	150	
9		1	9	9		9	8	4	32		32	16	112	112	
10		4	40	10		10	10	7	70		70	17	136	136	
12		2	24	12		12	11	2	22		22	32	36	36	
13		1	12	13		13	14	8	42		42	32	320	320	
14		4	48	14		14	14					6	72	72	
15		3	36	15		15	14					12	113	113	
												5	188	188	
												5	75	75	

TABLE No. 6.

Table showing the number of Convicts from the different Counties in the territory allotted to the Southern Illinois Penitentiary by the Governor, received during the two fiscal years ending September 30, 1884, and the number of United States Prisoners received during the same period, and the number of both classes remaining on hand September 30, 1884.

COUNTIES.	Oct. 1, 1882, to Sept. 30, 1883.		Oct. 1, 1883, to Sept. 30, 1884.		On hand.	
	Received	Per cent.	Received	Per cent.	Total.....	Per cent.
Alexander	18	5.94	34	9.34	53	7.73
Adams					3	0.43
Bond	1	0.33	1	0.27	3	0.43
Champaign					1	0.14
Clinton	8	2.64			6	0.86
Clay	10	3.30	3	0.83	14	2.03
Crawford	7	2.31			4	0.57
Clark	2	0.66	1	0.27	6	0.87
Coles	3	0.99	11	3.56	11	1.68
Cumberland	1	0.33	1	0.27	1	0.14
Christian	3	0.99	1	0.27	3	0.43
Calhoun	2	0.66	1	0.27		
Douglas	3	0.99	5	1.29	10	1.46
Edwards	1	0.33	1	0.27	5	0.73
Effingham	6	1.98	3	0.83	10	1.46
Edgar	11	3.63	11	3.56	18	2.77
Franklin	3	0.99	1	0.27	7	1.02
Fayette	3	0.99	10	2.78	18	2.77
Gallatin	7	2.31	8	2.22	25	3.64
Greene	10	3.30			3	0.43
Hardin	4	1.32	1	0.27	3	0.43
Hamilton	3	0.99	6	1.67	15	2.18
Johnson	6	1.98	7	1.97	13	1.90
Jackson	9	2.97	22	7.13	32	4.68
Jefferson	6	1.65	4	1.12	16	2.32
Jasper	2	0.66	1	0.27	2	0.28
Jersey	8	2.64	9	2.52	15	2.18
Lawrence	2	0.66	4	1.12	9	1.32
Macoupin	9	2.97	5	1.29	13	1.90
Massac	2	0.66	6	1.67	9	1.32
Monroe	2	0.66			1	0.14
Madison	18	5.94	17	4.65	32	4.67
Marion	12	3.96	8	2.22	21	3.06
Moultrie	2	0.66				
Montgomery	5	1.65	3	0.83	5	0.73
Pulaski	4	1.32	4	1.12	5	0.73
Pope	2	0.66	8	2.22	11	1.60
Perry	5	1.65	2	0.56	9	1.32
Richland	4	1.32	9	2.52	11	1.60
Randolph	3	0.99	6	1.67	15	2.18
Saline	3	0.99	8	2.22	9	1.32
St. Clair	14	4.62	38	10.47	51	7.45
Shelby	2	0.66	3	0.83	8	1.16
Union	2	0.66	9	2.52	15	2.18
Williamson	4	1.32	2	0.56	8	1.16
White	10	3.30	16	4.43	26	3.78
Wabash			2	0.56	3	0.43
Wayne	1	0.33	2	0.56	2	0.28
Washington	1	0.33	6	1.67	8	1.16
Will					1	0.14

Table No. 6.—Continued.

DISTRICT.	Oct. 1, 1882, to Sept. 30, 1883.		Oct. 1, 1883, to Sept. 30, 1884.		On hand.	
	Received	Per cent.	Received	Per cent.	Total.....	Per cent.
South District Alabama	2	0.66	2	0.56	4	0.57
Middle District Alabama			1	0.27	1	0.14
North District Alabama	2	0.66	2	0.56	4	0.57
West District Arkansas	1	0.33			1	0.14
North District Illinois	1	0.33	3	0.83	8	1.16
South District Illinois	9	2.97	10	2.78	16	2.32
District of Kansas	3	0.99	2	0.66	3	0.43
East District Louisiana	4	1.32	1	0.27	3	0.43
West District Louisiana			2	0.56	1	0.14
East District Missouri	11	3.63	6	1.67	15	2.18
West District Missouri	1	0.33				
North District Mississippi	2	0.66			2	0.28
South District Mississippi	1	0.33	3	0.83	3	0.43
New Mexico	6	1.65	3	0.83	6	0.86
East District Tennessee	4	1.32	1	0.27	2	0.28
West District Tennessee	1	0.33	3	0.83	3	0.43
Middle District Tennessee			3	0.83	3	0.43
North District Texas			7	1.97	8	1.16
East District Texas	3	0.99	3	0.83	6	0.73
West District Texas	8	2.64	5	1.29	27	3.93
East District Wisconsin	2	0.66	1	0.27	2	0.28
	303	100.00	359	100.00	685	100.00

TABLE No. 7.

Table of Crimes committed by Convicts received at the Southern Illinois Penitentiary during the two fiscal years ending September 30, 1884, and the crimes committed by convicts remaining on hand at that date.

CRIMES.	Oct. 1, 1882. to Sept. 30, 1883.		Oct. 1, 1883. to Sept. 30, 1884.		On hand.	
	Against person..	Against property	Against person..	Against property	Against person..	Against property
Abduction.....	1		1		1	
Arson.....		7				9
Assault to kill.....	12		25		34	
Assault to rape.....	10		2		18	
Assault to rob.....	1		2		3	
Assault with deadly weapon.....		1	1		1	
Burglary and arson.....		1				1
Bigamy.....	2		6		9	
Burglary.....		45		43		76
Burglary and larceny.....		45		87		122
Breaking into U. S. postoffice.....		4		2		1
Bond counterfeiting.....						1
Counterfeiting.....		17		19		37
Confidence game.....				3		3
Concealing stolen property.....		1				6
Conspiracy to commit felony.....			1	1		0
Criminal information.....			1			1
Embezzlement.....		2		4		2
Embezzlement of letters.....		1		2		2
Embezzlement of public lands.....		1				1
Forgery.....		12		14		29
Horse stealing.....		4		6		20
Incest.....					1	
Larceny.....		59		65		120
Larceny from U. S. mail.....		4		1		2
Manslaughter.....	4		1			3
Mayhem.....	1		1			1
Malicious mischief.....		5				1
Making false U. S. vouchers.....		1				1
Murder.....	12		25		83	
Murder and robbery.....	4				3	
Malicious misplacing R. R. switch.....				1		1
Mailing obscene writing.....	1			1		1
Obtaining letter by fraud.....					4	
Perjury.....	1		2		2	
Personating another.....	1					
Passing counterfeit money.....		6		5		10
Pension fraud.....		1				1
Rape.....	4		7		15	
Robbery.....		6		12		22
Robbing U. S. mail.....		7		9		27
Receiving stolen property.....				1		0
Selling whisky to Indians.....	2					0
Sodomy.....					1	
Stealing letters.....				1		1
Subornation of perjury.....					1	
Smuggling.....				4		4
Unlawful retaining pension money.....				1		
Violating revenue laws.....		2				
Violating pension laws.....						1
Violating postal laws.....		2		3		7
Wrongful withholding money.....		1				
Total.....	56	247	74	285	176	509
Total on hand.....						685

TABLE No. 8.

Statistical Table of Nativity of Convicts received at the Southern Illinois Penitentiary during the two fiscal years ending September 30, 1834, and on hand at that date.

NATIVITY.	Oct. 1, 1832, to Sep. 30, 1833	Oct. 1, 1833, to Sep. 30, 1834	On hand.
Alabama	3	3	5
Arkansas		4	5
California		1	3
Colorado		1	1
Connecticut		1	1
Delaware		1	1
District of Columbia	1		1
Florida	1		1
Georgia	1	3	4
Illinois	81	106	210
Indiana	25	20	52
Iowa	8	5	9
Kansas		6	1
Kentucky	13	30	49
Louisiana	5	4	8
Maine	1		2
Maryland	1		1
Massachusetts	4	1	4
Michigan	1	2	3
Minnesota		1	1
Mississippi	6		4
Missouri	8	20	29
New Hampshire		1	1
New Jersey	1		0
New York	13	12	31
North Carolina	4		3
Ohio	24	32	47
Pennsylvania	17	10	30
Rhode Island	1		1
South Carolina	3	5	5
Tennessee	16	31	45
Texas	4		16
Vermont		2	2
Virginia	14	8	22
West Virginia		2	3
Wisconsin	1	1	2
America	3		
Asia	1		1
Austria		1	1
Bohemia		1	1
Belgium	1		1
Canada	3	5	8
England	4	2	6
East India Island		1	1
France	2	1	1
Germany	15	16	29
Ireland	13	4	8
Jamaica	1		1
Italy			1
Mexico		6	6
Norway	1		1
Poland	2		2
Scotland	3	2	4
Switzerland		1	1
Wales		1	1
Unknown	3		6
	303	359	685

TABLE No. 9.

Statistical Table of Former Occupation of Convicts received in the Southern Illinois Penitentiary during the two fiscal years ending September 30, 1884, and the number on hand.

OCCUPATION.	Oct. 1, 1882, to Sept. 30, 1883.	Oct. 1, 1883, to Sept. 30, 1884.	On hand.
Acrobat	1	.....	1
Artist	1	.....	0
Attorneys-at-law	3	1	4
Auctioneer .....	.....	1	1
Bank teller	1	.....	1
Barbers	4	4	6
Bakers	4	1	6
Blacksmiths	4	4	7
Butchers	2	4	6
Bookbinders	1	.....	0
Bookkeeper	4	1	4
Brakeman	1	7	6
Bricklayer	1	2	2
Broom maker	1	.....	2
Boot and shoe cutter	1	.....	1
Barkeeper .....	.....	6	8
Brick maker .....	.....	1	1
Brass finisher .....	.....	1	1
Brewer .....	.....	1	1
Book agent .....	.....	1	0
Brick setter .....	.....	1	1
Claim agent .....	.....	.....	1
Clerks	5	6	7
Cigar packer	1	.....	1
Coal miner	7	.....	1
Contractor	1	.....	1
Cook	6	6	11
Cooper	4	8	10
Carpenter	4	11	15
Cabinet maker .....	.....	3	2
Cigar maker .....	.....	2	5
Calsominer .....	.....	1	1
Cowboy .....	.....	4	7
Chair calner .....	.....	1	1
Diver, submarine .....	.....	.....	0
Druggist	1	1	2
Dyer	1	1	1
Engineer	5	4	11
Electro plater .....	.....	1	1
Farmer	66	75	146
Fireman	7	4	8
Fresco painter	1	.....	0
Flour packer .....	.....	1	1
Gardner	1	2	4
Glass blower	1	.....	0
Harness maker	1	1	4
Herder	2	1	3
House girl	6	4	8
Hostler	6	1	4
Horse trader	2	.....	1
Hunter .....	.....	1	1
Housekeeper .....	.....	1	2
Insurance agent .....	.....	1	1
Knitter	1	.....	3
Laborer	37	86	164
Livery keeper	1	.....	1
Liquor dealer	1	.....	1
Locksmith	1	.....	1
Locomotive engineer .....	.....	3	3
Mail agent	1	.....	1
Mattress maker	1	.....	0
Moulder	2	3	2
Machinist	1	2	4
Millwright .....	.....	1	1
Miner .....	.....	5	8
Mail carrier .....	.....	1	1
Merchant .....	.....	1	0
No occupation	41	34	71
.....	1	.....	0

Statement—Continued.

OCCUPATION.	Oct. 1, 1882, to Sept. 30, 1883.	Oct. 1, 1883, to Sept. 30, 1884.	On hand.
Nurse	1	1	2
Peddler	3		2
Plasterer	2		1
Painter	3	1	2
Physician	3		3
Planing mill hand	1		0
Photographer	1		1
Plate grainer	1	1	0
Painter	7	4	14
Porter		1	1
Quarryman	1		0
River mate		1	1
Railroader	4		4
Roustabout	1	2	5
Saddler	2		1
Sailor	1		2
Saloon keeper	1		1
Shoe laster	2	2	4
Shoe heeler		1	1
Shoe nailer		1	1
Shoe stitcher		1	1
Stone cutter	3	1	4
Stove moulder	1		1
Stock raiser	1		1
Switchman	1	2	1
Stenographer	1		1
Shoemaker		4	7
Sawmill man		1	1
Steam and gas fitter		1	1
Ship caulker		1	1
Teamster	7	10	14
Tinsmith		3	3
Tobacco presser		1	1
Telegraph operator		2	2
Tailor		1	1
Varieties man		1	1
Waiter	7	5	15
Whiteners	1		0
Wire drawer	1		1
Wollenmill hand		1	1
Washer woman		1	1
	303	359	685

TABLE No. 10.

Table showing Punishment of Convicts in the Southern Illinois Penitentiary, and number of days labor lost by punishment, during the two fiscal years ending September 30, 1884.

MONTHS.	Oct. 1, 1882, to Sept. 30, 1883.			Oct. 1, 1883, to Sept. 30, 1884.		
	Average number of Convicts.	Number of Convicts punished.	Days of labor lost by punishment.	Average number of Convicts.	Number of Convicts punished.	Days of labor lost by punishment.
October.....	599	13	102	596	16	142
November.....	556	23	136	622	7	99
December.....	572	10	59	642	9	89
January.....	573	26	164	648	10	99
February.....	558	11	80	634	12	127
March.....	563	19	118	657	11	112
April.....	573	15	127	675	16	147
May.....	585	18	125	701	9	108
June.....	590	15	137	727	12	149
July.....	584	15	106	714	11	123
August.....	577	22	157	692	12	117
September.....	569	18	124	657	4	54
Totals.....	570	205	1,435	668	129	1,966

Average number of punishments from October 1, 1882, to September 30, 1883, per month, 17 $\frac{1}{12}$.

Average number of punishments from October 1, 1883, to September 30, 1884, per month, 10 $\frac{3}{4}$.

Percentage of punishment to total average number of convicts on hand during the year ending September 30, 1883, 3 per cent.

Percentage of punishment to total average number of convicts on hand during the year ending September 30, 1884, 1 $\frac{1}{4}$ per cent.

Average number of days lost by each punishment during the first year, 7.

Average number of days lost by each punishment during the first year, 10 $\frac{3}{4}$.

TABLE No. 11.

Table showing the religious belief of Convicts, and those convicts who profess no religious belief, received in the Southern Illinois Penitentiary, for the two fiscal years ending September 30, 1884, and the number on hand at that date.

DENOMINATION.	Oct. 1, 1882 to Sept. 30, 1883	Oct. 1, 1883 to Sept. 30, 1884	On hand.
Baptist.....	6	38	49
Baptist Free-will.....	3	1	3
Baptist Missionary.....	2	2	6
Catholic.....	41	51	77
Christian.....	3	4	6
Church of England.....		1	2
Congregational.....	1	1	5
Episcopal.....	2	3	5
Lutheran.....	5	5	12
Evangelic.....	1	3	3
Methodist.....	16	33	55
Presbyterian.....	6	9	18
Protestant.....	1		1
Reform Church.....		1	1
Swedish.....	1	1	1
United Brethern.....	1	1	3
Universalist.....		1	1
No Church.....	214	204	440
	303	359	685

	First year.	Second year	On hand.
Percentage of convicts professing religious belief..	29.37	43.17	35.76
Percentage of convicts professing no religious belief	70.63	56.83	64.24
	100.00	100.00	100.00

TABLE No. 12.

* EDUCATIONAL.

	Oct. 1, 1882 to Sept. 30, 1883	Oct. 1, 1883 to Sept. 30, 1884	On hand.
Read and write	216	259	486
Read only	41	40	110
No education	46	60	89
Total	303	359	685

	First year.	Second year	On hand.
Percentage of convicts that can read and write	71.28	72.14	70.95
Percentage of convicts that can read only	13.54	11.14	16.06
Percentage of convicts with no education	15.18	16.82	12.99
	100.00	100.00	100.00

* No classification made above common school education.

HABITS OF LIFE.

	Oct. 1, 1882 to Sept. 30, 1883	Oct. 1, 1883 to Sept. 30, 1884	On hand.
Temperate	110	107	244
Moderate	147	174	307
Intemperate	46	78	134
Total	303	359	685

	First year.	Second year	On hand.
Percentage of convicts temperate (by own admission)	36.30	29.80	35.62
Percentage of convicts moderate (by own admission)	48.52	48.46	44.79
Percentage of convicts intemperate (by own admission)	15.18	21.74	19.59
	100.00	100.00	100.00

TABLE No. 13.

Table showing Recommitments of Convicts to the Southern Illinois Penitentiary, received during the two fiscal years ending September 30, 1884, and those on hand at that date.

RECOMMITMENTS.	October 1, 1882, to Sept. 30, 1883.		October 1, 1883, to Sept. 30, 1884.		On hand Sept. 30, 1884.	
	Receiv'd	Per cent	Receiv'd	Per cent	On hand	Per cent
Second term.....	17	5.61	31	8.63	56	8.18
Third term.....	1	.33	2	.57	3	.43
Fourth term.....			1	.23	1	.14
Totals.....	18	5.94	34	9.48	60	8.75

Comparative Table of Sentences and Recommitments, showing their relative connection to the number of recommitted Convicts received during the two fiscal years ending September 30, 1884, and those on hand at that date.

SENTENCES.	October 1, 1882, to Sept. 30, 1883.			October 1, 1883, to Sept. 30, 1884.			On hand Sept. 30, 1884.		
	Recommitments			Recommitments			Recommitments		
	Second term..	Third term..	Fourth term..	Second term..	Third term..	Fourth term..	Second term..	Third term..	Fourth term..
One year.....				6			6		
One year and fractions.....	1			4			4		
Two years and fractions.....	1			7	1	1	7	1	1
Three years and fractions.....	2			6			8		
Four years and fractions.....	1			3			5		
Five years and fractions.....	4			1			7		
Six to nine years and fractions.....	1	1		1			3	1	
Ten years and fractions.....	1			1			4		
Eleven to fourteen years and fractions.....	3			1			5		
Fifteen to twenty years and fractions.....	2			1			4	1	
Ninety-nine years.....	1						1		
Life.....							2		
Totals.....	17	1		32	1	1	56	3	1

TABLE No. 14.

Table showing the sex and color of Convicts received at the Southern Illinois Penitentiary for the two fiscal years ending September 30, 1884, and number on hand at that date.

SEX AND COLOR.	October 1, 1882, to Sept. 30, 1883.		October 1, 1883, to Sept. 30, 1884.		On hand Sept. 30, 1884.	
	Receiv'd	Total.	Receiv'd	Total.	On hand	Total.
White males.....	248	253	234	239	552	560
White females.....	5		5		8	
Colored males.....	48	50	68	70	121	125
Colored females.....	2		2		4	
Totals.....		303		359		685

TABLE No. 15.

Table showing the age of Convicts received at the Southern Illinois Penitentiary for the two fiscal years ending September 30, 1884.

AGES WHEN RECEIVED.	October 1, 1882, to Septemb'r 30, 1883.	Per cent.	October 1, 1883, to Septemb'r 30, 1884.	Per cent.	Total on hand Septemb'r 30, 1884.
Below 20 years.....	36	11.88	43	11.98	82
Between 20 and 30 years.....	150	49.50	185	51.54	343
Between 30 and 40 years.....	62	20.46	81	22.57	148
Between 40 and 50 years.....	28	9.24	20	5.57	52
Between 50 and 60 years.....	17	5.62	18	5.01	36
Between 60 and 70 years.....	9	2.97	8	2.22	18
Between 70 and 80 years.....	1	0.33	4	1.11	6
Totals.....	303	100.00	359	100.00	685

TABLE No. 16.

Statement of the conduct of Convicts serving sentences of imprisonment for life in the Southern Illinois Penitentiary for the two fiscal years ending September 30, 1894, and number on hand at that date.

When received.	Register number.	Name.	County or district.	Crime.	Age when received.	Conduct.
At Joliet:						
Dec. 4, 1877	1	Abby, Joseph...	Jo Daviess...	Murder	19	Punish'd once in '82
Dec. 15, 1879	14	Berry, Isaac	Morgan	"	30	Good
Sept. 26, 1877	55	Elkins, Samuel	Jefferson	"	41	"
Jan. 9, 1874	60	Feebe, John	Perry	"	40	"
Nov. 7, 1877	66	Frezzell, Marion	Shelby	"	28	"
May 27, 1873	84	Hicks, W.	Jackson	"	45	"
July 37, 1875	125	Helson, Thomas	Jackson	"	25	Punish'd once in '80
Nov. 1, 1876	135	Phillips, Ezekiel	Douglas	"	44	Good
Jan. 9, 1874	192	Williams, George	Perry	"	35	"
At Chester:						
Oct. 2, 1878	201	Oliver, George	Randolph	Murder	40	Good
Nov. 6, 1878	251	Villmore, J.	Clay	"	33	"
July 22, 1830	592	Kohl, George	Alexander	"	49	"
Aug. 2, 1830	602	O'Conner, John	White	"	55	"
Oct. 27, 1830	618	Ridgway, Abram	Jackson	"	50	"
May 2, 1831	740	Harris, Thomas	Massac.	"	23	{ Punish'd once, '81 { Punish'd once, '82 { Punish'd once, '83 { Punish'd once, '84
Dec. 20, 1881	885	Moore, Samuel	Fayette	"	21	"
Dec. 21, 1881	891	Wilkinson, Neal	W. Dis. Texas	Robb'l'g U.S. mail	26	Good
Dec. 21, 1881	891	Moody, Thomas	W. Dis. Texas	"	25	"
Dec. 21, 1881	893	Petty, William	W. Dis. Texas	"	17	Punish'd once in '82
Dec. 21, 1881	893	Smith, Albert	W. Dis. Texas	"	20	Punish'd once in '82
Mar. 18, 1842	961	Norris, Aaron	Randolph	Murder	64	Good
July 26, 1882	1102	Sinklar, Amos	Jefferson	"	26	"
Sept. 11, 1882	1112	Hazel, Samuel	Union	"	27	Punish'd once in '82
Oct. 3, 1882	1154	Murray, George	Edgar	Rape	42	Good
Dec. 20, 1882	1219	Meyers, Chas. C.	Christian	Murder	23	"
Mar. 5, 1883	1290	White, David	Marion	"	32	"
Oct. 15, 1883	1475	Kirfield, Will. am	Edgar	Rape	24	Punish'd 3 times, '83
Dec. 26, 1883	1572	Kirby, Ella	Jackson	Murder	41	Punish'd once in '83
Mar. 26, 1884	1659	Sanders, William	White	"	31	Punish'd once in '83
May 1, 1884	1704	Non, Sanford	Fayette	"	58	Good
June 2, 1884	1731	Williamson, Kate	Alexander	"	29	"
Aug. 21, 1884	1774	Cantrell, John	N. Dis. Texas	Robb'l'g U.S. mail	28	"
Aug. 22, 1884	1775	Williams, Henry	N. Dis. Texas	"	40	"
Aug. 22, 1884	1776	Brock, Jack	N. Dis. Texas	"	35	"

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ANNUAL REPORT
ON
SWAMP LANDS,

BY
ISAAC R. HITT STATE AGENT.

TO THE
GOVERNOR OF ILLINOIS.

JANUARY 30, 1885.

SPRINGFIELD, ILL.:
H. W. ROKKER, STATE PRINTER AND BINDER.
1885.

REPORT OF THE STATE AGENT.

STATE AGENCY OFFICE,
CHICAGO, ILL., January 30, 1885.

To His Excellency, RICHARD J. OGLESBY, Governor of Illinois:

Since my last report the work of adjusting the claims of the State against the United States growing out of the swamp-land grant of 28th September, 1850, and the Indemnity Act of March 2, 1855, and the Act of March 3, 1857, has progressed as rapidly as the limited appropriation made by the last Congress would allow.

This adjustment under the law of Congress is under the control of the Secretary of the Interior, and consists in passing or rejecting the selections made by the State, in approving and patenting to the State the selections in place when found vacant and unappropriated; and in paying to the State indemnity on such selections, when passed, as are shown to have been entered with cash, or located with land warrants, or scrip, subsequent to 28th September, 1850, and prior to March 3, 1857.

The State having passed all its title to the swamp and overflowed lands to the several counties in which they are situated, under the act of June 2, 1852, it became the duty of the counties to make selections. The adjustment, however, when made by the Secretary of the Interior is made direct with the Governor of the State under the rules provided by the Department at Washington. Under these rules no ex parte proof made is accepted by the Department until a special agent of the Land Department is sent out at the expense of the Government to examine the selections, and the witnesses to the proof made by the several counties.

We have at present two United States special agents in Illinois, Dr. J. C. Walker, and Mr. A. B. Evans.

The examination in eight or ten counties will take twelve months on the part of one special agent. I have asked for a third special agent to enable me to complete the work within the next twelve months, but the limited appropriation made by Congress to pay their expenses will not allow it.

At no time has the State been behind in the work; on the contrary it has always been three or six months ahead with the work. All the counties in the State with a very few exceptions have completed their selections outside the six-mile limits of the Illinois Central Railroad, and those remaining unadjusted are compelled to

wait until the special agent of the Government can examine both the selections and witnesses to the proof. This we hope will be completed within another year.

Since our last report the following counties have filed in the General Land Office their lists of new selections, to-wit:

Bond,	DeWitt,	Jefferson,	Perry,
Bureau,	Effingham,	Lee,	Platt,
Cass,	Franklin,	Livingston,	Sangamon,
Calhoun,	Fulton,	Macon,	Shelby,
Carroll,	Gallatin,	Macoupin,	Stephenson,
Champaign,	Greene,	Marshall,	Tazewell,
Christian,	Hamilton,	Marion,	Wayne,
Clay,	Henry,	McLean,	Washington,
Clark,	Henderson,	McHenry,	White,
Clinton,	Iroquois,	Menard,	Williamson,
Crawford,	Jasper,	Monroe,	Woodford,
Coles,	Jackson,	Montgomery,	Whiteside,
Cumberland,	Jersey,	Moultrie,	

Since our last report, the following counties have had their cash indemnity adjusted and paid, to-wit:

Carroll	August 5, 1884	\$191 89
Christain	June 18, 1884	4,050 88
Clark	March 8, 1884	5,135 07
Crawford	March 23, 1884	7,152 51
DeWitt	August 7, 1884	1,782 62
Douglas	February 8, 1883	2,651 22
Franklin	November 21, 1882	2,062 48
Gallatin	April 10, 1883	1,829 42
Iroquois	September 26, 1884	8,991 87
Jasper	March 20, 1883	2,033 42
Jasper	April 22, 1883	2,208 44
Johnson	August 26, 1882	492 93
Kankakee	September 30, 1882	4,470 56
Lee	August 7, 1884	1,287 19
Logan	July 15, 1884	1,808 17
Mason	June 27, 1883	1,811 26
Macoupin	October 30, 1884	3,175 08
Marion	November 6, 1884	1,634 16
Montgomery	June 30, 1884	10,472 68
Wabash	January 10, 1884	2,594 46
Wabash	July 9, 1884	150 00
White	August 7, 1884	7,644 46
Vermillion	February 9, 1883	7,521 43
Total		\$82,062 20

Since our last report, the following counties have made their final proof, and some are now on file in General Land office awaiting payment:

Bond,	Clinton,	Macoupin,	Tazewell,
Bureau,	Jackson,	Perry,	Fulton.

Since our last report, the following counties have been visited by the U. S. special agents, and the final proofs should be completed in the next ninety days:

Calhoun,	Stephenson,	Livingston (part of),	Wayne,
Cumberland,	Washington,	Sangamon,	Williamson.
Macon,	Champaign,		

Counties yet to be visited by the special agents are as follows:

Adams,	Hamilton,	Marshall,	Peoria,
Cass,	Henry,	McLean,	Shelby,
Clay,	Henderson,	McHenry,	Pulaski (part of),
Coles,	Jersey,	Menard,	Union,
Douglas (part of),	Jefferson,	Moultrie,	Woodford,
Effingham,	Livingston,	Platt,	Whiteside.
Greene,			

The United States special agents have received instruction to examine all the selections made by the several counties, whether the selections were entered with cash or with land warrants, confining them to selections made outside the six-mile limits of the Illinois Central road, and yet no final adjustment has been made upon the selections located with land warrants, so that we are unable to advise any single county as to the amount of scrip indemnity to which it is entitled.

The Secretary of the Interior gives two reasons for not adjusting the indemnity scrip claim: one is the want of clerical force in the General Land Office; the other is that, if adjusted and the scrip issued, it would be worthless to the counties, because there is no vacant government land within the limits of the State on which to locate it. It is fair to state that the Hon. Secretary of the Interior, when this question was before him, did not rule upon the merits of the question, but held it "*res judicata*," his predecessor years ago having so ruled. This ruling, manifestly not in accordance with the law, is a matter of some moment to the State, there being some 100,000 acres of this scrip indemnity in the State. For the purpose of obtaining what are considered the just and proper claims of the State in the matter of this indemnity scrip, we appealed from the Commissioner of the General Land Office to the Hon. Secretary of the Interior the case of Clay county, Illinois, against the United States, in December, 1883, and after presenting the question above referred to, as well as the claim of Clay county to indemnity on certain odd sections within the six-mile limits of the Illinois Central road, and after hearing the arguments of Messrs. Curtis & Burdett, of Washington; of General J. C. Black, of Danville; of Hon. Chas. H. Wood, of Chicago, and of Hon. Lyman Lacy, of our Appellate Court, and a statement from Senator Logan, giving his views as to the injustice done the State by the old ruling, the Hon. Secretary of the Interior, after consultation with counsel on both sides, referred the papers in the case to the Court of Claims, under the act of Congress approved March 3, 1883.

The following is the petition in this case filed April 12, 1884:

PETITION.

To the Honorable, the Court of Claims:

Your petitioner, the State of Illinois, by Isaac R. Hitt, its duly accredited swamp-land agent, respectfully represents to this honorable Court that by the act of Congress approved September 28, 1850, the whole of the swamp and overflowed lands lying within the limits of said State, and remaining unsold at the passage of that act, were by it granted to said State.

That after the passage of that said act the Department of the Interior, through its regularly constituted agencies, sold and permitted to be entered and located many of the lands which, in fact, were swamp and fully within the terms of the grant, and received payment therefor either in land warrants or in money.

That to indemnify the States for the swamp lands granted to them, but which had been sold by the Government, and for which the United States had received payment as aforesaid, Congress, by an act approved March 2, 1855, entitled "An act for the relief of purchasers and locators of swamp and overflowed lands," (10 Stats., p. 634; Revised Stats. U. S., Secs. 2,482 and 2,483,) by the second section thereof provided "that upon due proof by the authorized agent of the State or States before the Commissioner of the General Land Office that any of the lands purchased were swamp lands within the true intent and meaning of the act aforesaid, the purchase money shall be paid over to the said State or States, and where the lands have been located by warrant or scrip the said State or States shall be authorized to locate a quantity of like amount upon any of the public lands subject to entry at one dollar and a quarter per acre or less, and patents shall issue therefor

upon the terms and conditions enumerated in the act aforesaid: Provided, however, that the said decisions of the Commissioner of the General Land Office shall be approved by the Secretary of the Interior."

That the provisions of this said act were extended by the act approved March 3, 1857, (11 Stat., 251; Rev. Stats. U. S., Sec. 2,484,) to all entries and locations of lands claimed as swamp made since the passage of the act of March 2, 1855, and prior to March 3, 1857.

And your petitioner would further show that upon and after the passage of said act approved March 3, 1855, due proof as therein required was from time to time made, and in the progress of the settlement and adjustment of the said swamp grant continues still to be made of swamp lands sold and permitted to be located with warrants; and the Commissioner of the General Land Office, with the approval of the Secretary of the Interior, as by said last-named act is provided, has upon the said due proof from time to time adjudged and found that your petitioner is entitled to locate large quantities of land in lieu of such warrant and scrip locations of swamp lands; that among other of such adjudications your petitioner shows that on the 31st day of August, A. D. 1863, an award to the State of Illinois was made and duly approved by the Acting Secretary of the Interior for 5,763 acres on account of that quantity of swamp land found to have been located with warrants within the county of Clay in said State.

Your petitioner further shows that although the Department of the Interior continues to adjudge and certify the right of your petitioner to take and have lands in lieu of tracts inuring to said State as swamp lands, under the said act of September 28, 1850, but afterwards sold and located with warrants as aforesaid, and is willing and offers to deliver to your petitioner certificates or scrip setting forth the quantity of land due as indemnity—and authorizing its location—and manifests its willingness to issue indemnity certificates or scrip for the said quantity of 5,763 acres in lieu of locations in the county of Clay aforesaid, yet declines and refuses to so do unless and except upon the condition that said indemnity certificates shall bear upon their face in terms the provision and restriction that the same shall be subject to location only upon public lands subject to entry within the limits of the said State of Illinois.

Your petitioner, at all times objecting and protesting against the insertion in said indemnity certificates of the condition last aforesaid, insists and avers that said certificates ought to contain the condition and conditions contained in the second section of the act authorizing their issue and no other, viz., to be locatable "upon any of the public lands, subject to entry, at one dollar and a quarter per acre or less;" that is to say, that the said certificates or scrip should be so issued by the Department of the Interior as to authorize the said State or its assigns to select and locate in satisfaction thereof any of the public lands of the United States, wheresoever situate, whether of the class of offered or unoffered lands, which at the time of selection are subject to entry, at one dollar and a quarter per acre or less.

And your petitioner would further show, that in view of the contention of your petitioner upon and concerning the form and recitals of the swamp-land indemnity certificates due and yet to be issued to it, and in view of the practice heretofore pursued by the Department of the Interior in that behalf, the Honorable the Secretary has transmitted the same to this honorable Court with the papers and documents appertaining thereto, to which reference is hereby made, for its finding and opinion upon the controverted question of law involved; that is to say, upon the question as to whether or not the said swamp indemnity certificates, sometimes called swamp indemnity scrip, ought to be issued in such form as to authorize their location upon public lands, otherwise subject thereto, lying outside of the limits of the said State of Illinois.

Wherefore your petitioner respectfully prays, the premises considered, that this honorable Court will find, determine, and declare its opinion to be, and so report to the Department of the Interior, that under and in obedience to the said act of Congress approved March 2, 1855, the Department of the Interior ought to and should issue to the said State of Illinois swamp-land indemnity certificates for the quantity of 5,763 acres adjudged to be due on account of locations in the county of Clay as aforesaid, and otherwise adjudged and found to be due the said State, without restricting the use and location of the same to public lands, subject to entry, within the State of Illinois, but, on the contrary, finding and advising that the said State is entitled to locate its swamp indemnity certificates upon any of the public lands, whether offered or unoffered, which are of the class subject to entry, at one dollar and a quarter per acre or less.

II. And your petitioner would further show that Congress, by an act entitled "An act granting the right of way and making a grant of land to the States of Illinois, Mississippi, and Alabama in aid of the construction of a railroad from Chicago to Mobile," approved September 20, 1850, (9 Stats., p. 466), granted to the State of Illinois for the purpose of aiding in the construction of a railroad from Chicago to Mobile (by the second section thereof) "every alternate section of land designated by even numbers for six sections in width on each side of said road and branches" with the proviso that if, when the line of the road should be located, it should be found that the Government had parted with its title to any of the even sections granted by the act, then other lands might be selected to supply the deficiency between six and fifteen miles from the line of the railroad.

By the third section of said act it was provided as follows: "The sections and parts of sections of land which, by such grant, shall remain to the United States within six miles on each side of said road and branches, shall not be sold for less than double the minimum price of the public lands when sold."

By the concluding proviso of the second section of the said act there was reserved to the United States from the operation of the said act all lands reserved to the United States by the act approved March 2, 1827, to aid in the construction of the Illinois and Lake Michigan Canal, but there was no other reservation in the act whatever.

Your petitioner would further show that eight days after the passage of the last named act Congress passed the act entitled "An act to enable the State of Arkansas and other

States to reclaim the swamp lands within their limits," approved September 23, 1850, 9 Stats., p. 519; Rev. Stats. U. S., secs. 2479 to 2481,) whereby the whole of the swamp and overflowed lands lying within the limits of said State and remaining unsold at the passage of the act were, by it, granted to said State.

Your petitioner would further show that at the time of the passage of the last named act the line of the railroad which said grant of lands was made to aid, was not definitely located, nor until considerable time thereafter.

That at the time of the passage of the said swamp-land act the odd-numbered sections situated within six miles on either side of the railroad, as it was finally located, were the property of the United States, and so remained except in a comparatively few cases, where private entries has been made thereon, and said odd-numbered sections were unaffected by the said railroad grant of September 20, 1850, in any manner except as to the minimum price—that is to say,—that whereas, before the passage of the said act approved September 20, 1850, the lands along its proposed line of route were subject to entry at one dollar and a quarter per acre; thereafter and upon the definite location of the line of route the odd sections found to lie within six miles of the said line of railroad were subject to entry at two dollars and fifty cents per acre.

And so your petitioner avers that all of said odd-numbered sections lying within six miles on either side of said railroad, as located, which were swamp and overflowed lands within the meaning of the act of September 23, 1850, at the time of its passage, and which then remained unsold, passed by that act to the State of Illinois.

Your petitioner would further show that the following described lands, which were, in fact, swamp and overflowed at the date of the passage of the act of September 23, 1850, were selected by the said State as swamp and overflowed, and reported as such by the Commissioner of the General Land Office, through the Surveyor-General, in the year 1855, and no action taken on the same, to wit:

SW. of NE. 17, T. 5 N., R. 5 E.	NE. of SE. 17, T. 5 N., R. 5 E.
Lot 1 of NW. 19, " "	NE. of SE. 23, " "
SE. of NW. 23, " "	NW. of NW. 23, " "
SE. of NE. 33, " "	

That the above described lands are situate in Clay county, Illinois, and were either sold or located after September 23, 1850, and before March 3, 1857, and the State claimed indemnity on the same.

But the Department of the Interior has refused your petitioner the privilege of proving the character of the land before the General Land Office, upon the ground that the same are situate within the six-mile limits of the Chicago and Mobile Railroad, now Illinois Central Railroad, and for that reason did not inure to the State under the swamp-land grant.

And your petitioner would further show that in the year 1883 it caused to be selected the N. $\frac{1}{4}$ of the NW. $\frac{1}{4}$ of Sec. 17, T. 4 N., R. 5 E., in said county of Clay, as swamp land under the grant, and as the same had been sold by the United States after September 23, 1850, it asked indemnity therefor, but was refused by the Commissioner of the General Land Office upon the like ground that the same lies within the six-mile limits of the grant to the Illinois Central Railroad.

And so your petitioner says and shows, as will abundantly appear from an inspection of the record opinions and letters of the Land Department, transmitted by the Secretary of the Interior with this case, that since the approval of the said swamp-land act of September 23, 1850, the Interior Department, against the protest of your petitioner, has up to this time refused and neglected to administer the said swamp-land act within the said "six-mile limits," upon the ground (and upon no other) of the change of price of the said odd-numbered sections, that is to say upon the ground that because the said odd-numbered (sections) became, by the act granting lands for railroad purposes, double minimum as to price, although swamp and overflowed within the meaning of the act, they were therefore not within the purview of that provision of the act approved September 23, 1850, which is in the following words: Lands "which shall remain unsold at the passage of this act, shall be, and the same are hereby, granted to said State."

And your petitioner avers that the several tracts of land hereinbefore described, and other tracts of land, which are odd sections and parts of odd sections within six miles of the Chicago and Mobile (now Illinois Central) Railroad, and which were not embraced by the lands granted to the State of Illinois for railroad purposes by the act approved September 20, 1850, nor in the grant to said State, in aid of the construction of the Illinois and Michigan Canal, but remained to and were public lands of the United States, and which were "swamp and overflowed lands" according to the true intent and meaning of the act approved September 23, 1850, on that said day, by the terms of the said act granting the swamp and overflowed lands within their borders to the several States named, became the property of the said State of Illinois.

Wherefore, the premises considered, your petitioner prays this Honorable Court to find, as a matter of law, and transmit such opinion to the Department of the Interior for its guidance, that the lands which were swamp and overflowed within the true meaning and intent of the act approved September 23, 1850, by virtue of that act passed to the State of Illinois, notwithstanding they are of the odd sections, situated within the six-mile limits of said railroad, and that if the same were sold by the United States after the last-named day, and prior to March 3, 1857, that the State would be and is entitled to indemnity therefor, according to the provisions of the act approved March 2, 1855, the same as though said lands had been situated outside of the said six-mile limits of the said railroad.

State of Illinois, by ISAAC R. HITT, State Agent.

S. S. BURDETT, Attorney for Petitioner.

CHARLES H. WOOD,
CHARLES A. GREGORY, } of Counsel.

DISTRICT OF COLUMBIA, }
CITY OF WASHINGTON, } ss:

ISAAC R. HITT, being duly sworn, deposes and says: I am the duly appointed and commissioned swamp land agent of the State of Illinois, the petitioner in this case. I have read the above petition, and the facts and matters there stated are true, to the best of my knowledge and belief.

ISAAC R. HITT.

Subscribed and sworn to this 12th day of April, A.D. 1884.

JOHN RANDOLPH,

Assistant Clerk C't. of C.

I have retained to represent this State, Curtis & Burdett, of Washington, and Hon. Charles H. Wood and Charles A. Gregory, of Chicago.

This case will be heard it is expected at the present term of said court, and I here renew the expression of hope for a favorable result. The act of Congress which authorized the reference of this claim to the Court of Claims was passed on the 3d of March, 1883, and section 8 of said act is as follows:

"That when a claim or matter is pending in any of the Executive Departments which may involve controverted questions of fact or law the head of such departments may transmit the same with vouchers, proofs and documents pertaining thereto to said court, and the same shall be there proceeded in under such rules as the court may adopt. When the facts and conclusions of law shall have been found, the court shall not enter judgment thereon, but shall report its findings and opinions to the department by which it was transmitted, for its guidance and action."—*Act March 3, 1883.*

Since my last report the following counties have passed resolutions setting apart the swamp land indemnity which they may receive from the United States to the drainage of their swamp lands and improving their public roads:

Adams,	DeWitt,	Lawrence,	Pike,
Bureau,	Douglas,	Logan,	Peoria,
Bond,	Effingham,	Livingston,	Sangamon,
Christian,	Edwards,	Marion,	Union,
Cumberland,	Fulton,	Macon,	Vermilion,
Champaign,	Franklin,	Massac,	Whiteside,
Crawford,	Jasper,	Montgomery,	Wayne,
Clinton,	Kankakee,	Monroe,	

The cash indemnity received by the counties within two years, to amount of over \$100,000, has been most expended in drainage. Large districts of wet lands have been reclaimed in the following counties: Ford, Livingston, Kankakee, Vermilion, Champaign, McLean, DeWitt, Piatt, Macon, Logan, Tazewell, Woodford, Marshall, Douglas, Coles, Effingham, Whiteside, Lee, Bureau, Henry, Rock Island and others.

Extensive drainage will be done during the coming year in Greene, Jersey, Piatt and other counties in every portion of the State. We are informed that in many of the counties mentioned from \$50,000 to \$100,000 have been expended in drainage by each.

It is a fact, and one of which the State may well be proud, that there are more tile factories in number, and more tile manufactured and laid, and more miles of open ditches in the State of Illinois to-day, than in any other State in the Union.

Congress, at its last session, did not act upon any of the relief bills presented in relation to swamp-land indemnity. The general impression among the Representatives from Illinois was, that while the questions at issue between the State and the United States were pending in the Court of Claims, that Congress should not be called upon to pass a relief bill. Two bills were, however, presented and

referred to the Committee on Public Lands. In case of an adverse finding by the Court of Claims, we hope to obtain the relief desired by Congress. Messrs. Payson and Shaw, of Illinois, are on that committee, and both understand the merits of the whole subject. Both the honorable Senators and all the Representatives in Congress have offered all the assistance in their power to have relief granted.

The rule of the Department on adjusting the claims of the counties is an arbitrary one, and makes the adjustment a more expensive operation than is desired. We have sought to have the rule modified so as to lessen the expense, but so far without avail.

We have devoted most of our time to this work, and though the results have not been in every respect satisfactory, we have done the best we could, and hope that another year will enable us to make a report of the final adjustment of these claims, growing out of the swamp-land grant, and that the State may obtain under that grant what is legally and equitably due.

Respectfully submitted,

ISAAC R. HITT, *State Agent.*

REPORT
OF THE
ILLINOIS STATE FISH COMMISSION,
TO THE
GOVERNOR OF ILLINOIS.

SEPTEMBER 30, 1884.

REPORT.

To His Excellency, GOVERNOR JOHN M. HAMILTON:

We beg leave to submit herewith our report for the year ending September 30th, 1884, as the Board of State Fish Commissioners.

The work of the Commission,—now fully operative, no longer an experiment—has developed throughout the State an increased interest in the subject of Fish protection and culture. Five years ago ponds for fish were rare in our State—to-day they number thousands, some of them on an extensive scale, but the greater portion forming a part of the general economy of the farm. These ponds are mainly used for the culture of the carp, and in almost every instance, where proper ponds have been built, and ordinary care taken of the fish, success has attended their efforts.

When the immense consumption of fish for food in this State is taken into consideration, some idea may be had of the drain on the natural resources of fish, and if no means had been used to protect and replace them to some extent, our waters must soon have been depleted. From the Mississippi and Illinois Rivers are taken annually ten million pounds of buffalo fish alone. In Lake Michigan the white fish have become scarce. During a convention at Milwaukee of the Fish Commissioners of the States bordering on the great lakes, a number of fishermen, who are actively engaged in fishing on Lake Michigan, were present, and asked that the Commissioners use their influence to obtain the passage of such laws as would protect the fish of the lakes, giving as a reason for their request the fact that the white fish particularly were fast disappearing from the lakes; that, while a few years ago a small boat with ordinary rig and two men could, by a day's work, fill the boat with fish, it was now a difficult matter with steam tug and outfit to obtain a few hundred pounds of white fish in a day. Now, with these facts in view, it seems but reasonable to conclude that, without better protective laws, and additional efforts on the part of the State in restocking our waters, and seeing that a free and unobstructed course is furnished them, the same results will be realized, viz.: extreme scarcity of the native fish in our principal rivers, streams and lakes.

NATIVE FISH.

The principal work of the Commission has been this, as in former seasons, the taking and distribution of native fish. Owing to the early rise and decline in the Mississippi River, from which we derive

the greater portion of our supply, later spawning fish did not get an opportunity to fully complete their deposit of spawn, cutting off to some extent the usual supply, but we found plenty of work to do, and thousands more of young fish than we could handle, although, for reasons given above, not so great a proportion of the fish we most desired, viz.: black bass. To illustrate the immense quantity of fish that are left in the low, flat places, levee pits, etc., from which we derive our supply, we will give one or two instances, samples of hundreds which occur during the season.

On August 14th Mr. Leonard Obert, living one and one-half miles northeast of La Grange, Mo., came on to our boat and informed us that on his farm there was quite a large pool of water, drying up very fast, which appeared to be full of fish, and that they would perish if not taken out very soon. We sent S. Kelley and gang No. 3 up with boats and seines. They took out from that one place 21 bushels of young fish, which would aggregate, if computed by usual estimate, $\pm 20,000$ fish, but in point of fact would not number so many, as the fish had grown considerably, some being quite large size for age. They were taken to the boats and put into the Mississippi River near the Three Chutes. Owing to the extreme heat and distance they had to be carried, they could not be used for distribution.

On August 16th gang No. 1 took from a levee pit 8 miles below Hannibal in one haul of the seine 8 bushels of young fish, the greater proportion being young cat-fish. They were put over the levee into the river. So for sixty miles below Quincy exist along the levee these shallow holes made by excavating the earth from outside of levee to build or repair the levee. All of them, at some seasons of the year, become perfectly dry; all are usually filled in early spring with young fish.

Considerable fault has been found, at various times, with the Commission for taking the young fish from the Mississippi River for distribution throughout the State, it being claimed that we were robbing one section to benefit another. We desire to reiterate our former statement, that *in no instance has a fish ever been taken from the Mississippi River, or any other, for distribution or any other purpose, that would not have either died on account of drying up of water or have frozen out if left over winter.* On the contrary, the Mississippi River is richer by millions of fish of all varieties every season than it would be if your Commission did not rescue them. But a very small proportion of fish taken are sent out; only the better qualities are selected, the residue, as before stated the larger part, are put into the river, or adjacent deep water.

Our distribution has been as general and extended as possible. Wherever streams could be readily reached by railroad they have, in the main, received their proportion of fish, not always perhaps at most desirable points, but in every case where, in the opinion of the messenger, they would find a permanent home.

Our work has so increased and property accumulated, we found it necessary to have permanent headquarters, and with that end in view built a boat, hull 34 feet in length, 12 feet in width, covered with a good substantial cabin, giving us an office 9 feet square in

forward end, with storage room for our oars, seines and such valuable property as we have to care for.

We have also a covered storage boat in which are stored our tanks, smaller boats, cans, etc.

We have also found it necessary to have a quarter boat, in which one of our men lives, to protect our property, fish in live boxes, etc.

We have been caused a great deal of trouble by lawless persons who have destroyed everything they could belonging to the Commission. They burned our cabin in bottoms inside of Sny Levee two years ago. They cut up and destroyed one of our most valuable seines, destroying, at the same time, cans and other appurtenances in camp, and during the past season, broke into our office—then in rather insecure quarters,—and burned and destroyed a large portion of our papers, records and vouchers, entailing considerable loss on Commissioners direct, as in several instances it was impossible to procure other vouchers for those destroyed,—the men engaged in the work being a roving class as a rule, here to-day, to-morrow gone again. In view of these facts we have arranged good and secure quarters at a comparatively small expense. We have taken out policies on office boat for \$600; on storage boat for \$200.

The office work of the Commission has assumed large proportions, and is constantly increasing, which is, of course, but natural, considering the large number of applicants for carp, aside from the distribution of native fish. Some idea may be had of the volume of correspondence, when we state that during the months of October and November of last year, the letters and postal cards averaged over 900 per month, the carp distribution being then near at hand. This season it promises to be very much larger, as the number of applicants has materially increased. We have endeavored to give each letter attention, and give all information asked for promptly and as fully as possible.

We are using this season, for transporting young fish, a new tank device, that has enabled us to carry larger quantities of fish with same amount of water greater distances than formerly, and we have in view further improvements, that we hope will still further decrease mortality of the fish in transit, as well as materially reduce the expense.

POPULAR INTEREST.

We have stated that the interest in fish protection and culture has largely increased in the year past. The following facts will serve to prove the truth of our statement to some extent:

At Galesburg, Knox county, an inland town, Mr. George Brown has constructed on his farm, one mile east of the city, a pond or lake covering an area of six or seven acres, at an estimated cost of \$15,000, built expressly for culture of native fish. The water is obtained by drain tile and springs, and is a handsome sheet of water. The banks are protected by sheet piling, the roadway around lake graveled, banks covered with a growth of grass. A miniature steamer has been placed on the lake. The citizens all seem interested, and, as they have reason to be, proud of the enterprise and liberality of their respected citizen. This lake has been stocked with black bass by the Commission.

At Danville, near the forks of the Vermilion River, has been built a dam, forming a beautiful lake in Ellsworth Park. Over this dam Mr. John Beard, who has a lease of the park, has placed a fishway in order that the fish may have a free course up the various streams during the proper season. Taken altogether, it is one of the best lakes in the State, and is an ornament to any city, and will in time afford enjoyment to the lovers of rod and line. This has also been partially stocked with fish, and additions will be made from time to time, until it is fully so. In company with Hon. E. R. E. Kimbrough and Hon. W. J. Calhoun, of Danville, who have been very active in their efforts to further the interests of the Commission, an examination of this lake and its tributaries was made by one of the Commissioners, and the water and surroundings found to be admirably adapted to the reception and propagation of the native fish.

At Springfield, the Springfield Fishing Club, an organized stock company for the protection of fish, etc., have obtained control of Clear Lake, a beautiful body of water situated about 6 miles east of the city. The company comprises over one hundred of the best citizens of Springfield. With their accustomed energy, they have improved the surroundings by cleaning up the grove adjoining, built a handsome boat-house, placed a steam yacht and a large number of row-boats upon the lake. The Commission has stocked the lake, and the company will see that the fish are fully protected.

At Decatur, the Decatur Fishing Club, an organization consisting of one hundred citizens, have built a fine lake, covering an area of about 5 acres, located about $2\frac{1}{2}$ miles west of Decatur. The company have interested themselves in having this lake, as well as the Sangamon River, stocked with fish.

At Morrisonville, the Hon. J. L. D. Morrison has built a pond covering about 10 acres, now producing some very fine fish, crops having been taken from it weighing nearly 2 pounds.

At Lanesville, Mr. F. K. Whittemore, of Springfield, has constructed a large pond on his farm, now stocked with native fish.

At Pekin, Hon. Thos. Cooper has built quite a large lake in a park adjoining the city, supplied by an artesian well. This, although the water has very abundant mineral properties, sulphur predominating, has proven to be very well adapted to fish, both native and carp.

About one mile east of Pekin is Bailey's Lake. This lake deserves especial mention, as there are but few, if any, others in the State so peculiarly located. It has neither inlet nor outlet, is fed by springs, covers an area of about 200 acres, almost surrounded by hills, subject to neither overflow nor backwater. This lake contains perch and sunfish in abundance, but neither bass nor pickerel. There is now a movement on foot to purchase the lake and land surrounding it by a stock company, when it will be improved, stocked with fine fish, and made a resort.

So all over the State clubs are organizing, companies forming, lakes being purchased, leased or built, and efforts made to better protect the fish interests.

CONCERNING DISTRIBUTION.

In order that we might make our distribution as general as possible, and to obtain such information as would enable us to accomplish this, we sent a circular letter to each member of the 33d General Assembly, a copy of which letter we append herewith:

QUINCY, ILL., July 20th, 1884.

DEAR SIR: We are now taking young native fish for distribution, and desire to make the distribution as general as means at our disposal will permit. We are endeavoring to induce all of the railroad managements to carry our tanks in baggage cars free, so as to materially reduce the expense incidental. A number have consented to do so, and we hope the larger proportion will.

Most of the streams were partly stocked last season, but our territory is large, and time will not permit the Commissioners to make a personal inspection of the streams. As a consequence the distribution is not as complete as it should be when the disposition of fish has to be left to a great extent to the messengers in charge of fish.

We have presumed to ask your assistance in giving us information regarding the waters of your county, what and where they are, whether the streams are obstructed by dams or not; if so, how many and where located; whether the water gets high enough during the season to cover dams, and allow fish to run up toward head waters.

We desire to give proper attention to every part of the State, and when no dams obstruct the streams, planting fish in any part will in time people the whole of it if protected, but when dams are used, various points of such streams will have to be planted.

Our carp distribution will take place in October or November, or at such time as the United States Fish Commission send us the fish, and we would be pleased to have you recommend any of your constituents who may desire to undertake their culture. So far, carp culture in this State has been attended with the most favorable results, many persons reporting ponds full of young carp, and the old fish weighing from 5 to 10 pounds. If convenient, favor us with such information as you may have, as early as possible, and it will greatly aid us.

Yours truly,

A large number of those addressed sent us descriptions of streams, etc., in their counties, suitable for stocking with fish, and designated points of delivery, and parties to whom we could consign them. We have by this means been enabled to make our distribution more effectual than would have been the case had we been compelled to rely entirely upon the information and judgment of our messengers.

Our transportation facilities, thanks to the railroads, have been very good. Upon request of the Commissioners, the following named railroad companies have given us an order to carry our tanks in the baggage car. The following is a copy of the order, which is the same as used by the United States Fish Commission, and to whom we are indebted for the form:

"Chicago, Burlington and Quincy Railroad.

NOTICE.

Upon presentation of this notice, duly countersigned by N. K. Fairbank, President Illinois State Fish Commission, conductors and baggage masters will transport free, until January 1, 1885, cans of young fish in baggage cars of passenger trains, and return empty cans, checking them to destination of messengers holding first-class tickets and accompanying cans.

Baggage masters will also render every assistance desired by messengers in charge of fish, and allow them access to the baggage cars for the purpose of giving the fish proper attention.

Conductors may stop trains at any stream to leave messengers and cans, where it can be done without in any way endangering their train or connections.

(Signed)

HENRY B. STONE,

General Superintendent.

Countersigned]

N. K. FAIRBANK,

President State Fish Commission.

The above is substantially a copy of the order given us by the following named railroads, with perhaps some slight variations in a few instances:

List of Railroads Giving Permits.

Chicago, Burlington and Quincy R. R. Co.
Ohio and Mississippi R. R. Co.
Chicago and Alton R. R. Co.
Indianapolis and St. Louis R. R. Co.
Chicago, Rock Island and Pacific R. R. Co.
Louisville and Nashville R. R. Co.
Toledo, Cincinnati and St. Louis R. R. Co.
Illinois Central R. R. Co.
Lake Erie and Western R. R. Co.
Wabash, St. Louis and Pacific R. R. Co.
Chicago and Northwestern R. R. Co.

Of the results of our distribution of previous years, we have but to say that the good accomplished must be manifest to every one who takes an interest in such matters.

Along the Mississippi River, early this spring, as soon as ice had moved, pickerel from one to two years of age were moving up the stream, as is their habit, by the thousands. At the water-works well, at Quincy, a rocky prominence extending some feet out into the river, a great many were caught with dip-nets, by the Water Works Company, for stocking their reservoir. This circumstance, of itself, would amount to nothing, but for the fact that for a great number of years pike and pickerel have been practically extinct, and that until the river and its tributaries were stocked with pickerel obtained from the lakes, such an occurrence as just mentioned was unknown.

Beside this, the lakes and sloughs tributary to the river are filling up with the "Ringed Perch," a specie of fish rarely caught here until introduced by the Commission from the lakes.

Hon. Don Morrison received a letter from a friend at Carlyle, on Okaw River, saying that hundreds of young pickerel (found to be wall-eyed pike) were caught this spring while trying to get over the dam, and that they were comparatively new to that region.

Mr. F. Wood, Secretary of Decatur Fishing Club, writes us that they had caught a number of fine wall-eyed pike in the Sangamon River, near Decatur, last season, the first caught there for years. We believe that these and others reported from various points are the product of our planting some four years ago.

In October, the Mississippi River, contrary to its usual custom, swelled sufficiently to overflow its banks and released a large majority of the young fish confined in the holes and levee pits, doing our work for us to some extent, but preventing our obtaining a sufficient supply to extend our work of distribution as intended and as the fine weather of the month and season seemed to warrant, our resources being confined to such places inside of the levees as overflow could not reach.

We append, in proper place, in appendix to this report, a list of rivers and creeks and their tributaries in this State. The list is, perhaps, as complete as has ever been published, and is compiled from that published in the United States Fish Commissioners' Report, added to from information obtained, as before stated, from our Representatives, and from personal inspection and survey of the Commissioners.

We also give a list of streams crossed by railroads, and nearest station, showing how they are reached. For these lists we are, in the main, indebted to the various railroad managements noted.

We give in this report a complete list of our native fish, with localities in which they are found, and their scientific and common names.

For this list we are indebted to Prof. S. A. Forbes, State Entomologist, to whom we desire to return our thanks for the labor and time expended in our behalf, in its preparation. Prof. Forbes has given the study of our native fish a great deal of attention, and his works and bulletins are among the standard authorities upon this subject.

HATCHING HOUSE.

So far we have made no effort to artificially propagate young fish, but, in our own opinion, the time has come when it will be necessary for the Commission to do some work in that direction. The great lakes have, for years, been planted with young white-fish and trout by the Government and the States adjoining them. Illinois, so far, has never contributed a fish, and when the immense benefit that has been derived from the fish business by our people is considered, it would seem that we are not acting as fairly as we might.

The Government has, as we understand, given our lakes white-fish and trout without such expenditure being warranted by the law making their appropriations, and cannot be depended upon as always doing the work for us.

The pike-perch, wall-eyed pike, can be artificially propagated successfully, and at very little expense. It is a fish that is meeting with great favor everywhere throughout our State, and in our opinion should be as extensively distributed as possible. The expenditure necessary to erect and maintain a hatching house suitable for the work indicated, would be small compared with the results to be accomplished, and can, we think, economically be made a part of our system.

We propose to adhere rigidly to our policy so successfully followed in the past, viz: Allowing nature to furnish from her great hatching houses the bulk of the native fish we use, and believe that the true theory of repopulating our streams is putting such fish in the waters as have been the nearest native to them. Yet figures will show that in the case of wall-eyed pike, and some other varieties, Dame Nature can be badly beaten in the percentage of increase by artificial propagation.

CARP.

Of this fish it is necessary to add but little to what has already been stated in former reports.

To say that it has fulfilled all our expectations, and has done all promised for it, is praise enough. In every instance, where suitable ponds have been prepared for them and anything like proper care given them, they have proved a success, attaining large size and increasing rapidly. We give a few instances of their rapid growth which have come under our own observation.

In the early part of this month—September—the Directors of Highland Park, Quincy, decided to have their pond seined in order to ascertain what they had there. The pond had been *perfectly dry* two years before. The officers had made application for some young carp, and on obtaining them, placed them in the pond, then filled for the first time.

In November, 1882, the pond was seined, and among others a carp was taken out that measured about 22 inches in length, and weighed 9 pounds 3 oz. The fish was weighed by Pres. Hug, of the Park Association, in presence of Mr. D. F. Wilcox of the "Whig." The fish was cooked, and although in perhaps the poorest way a large fish could be cooked, viz: by frying, it was pronounced by all who tasted it to be above the average.

Dr. Adams of Spring Hill Park, Peoria, obtained through the Commission, two years ago, 20 carp, which he placed in a spring pond, or rather directly in the spring, at his place in Peoria.

For the first year, the Doctor tells us, the carp did not grow three inches. After some correspondence with the Commissioners, he became convinced that he had made a mistake in placing the carp in cold water, and took out 7 of them and put them in a pond formed from the overflow from an artesian well, temperature about 68° the year round. At less than two years of age one of the carp weighed 9½ pounds, measuring 22 inches in length, a growth of over 1 pound a month from the time it was placed in warm water.

In another place in this report will be found extracts from letters from a large number of those who have received carp through the Commission.

Of the edible qualities of the carp a great deal pro and con has been said. From the best information we can gather, it is fully an average fish,—everything depending upon the manner in which it is cooked, and the time of year in which it is killed. Out of several hundred replies to inquiries made by the United States Fish Commission of those who had been supplied through them, but a few were unfavorable. A very large percentage claimed it to be excellent, a smaller proportion pronounced it fair, and but one or two pronounced it poor eating.

Hon. Thos. Cooper, Mayor of Pekin, caught a carp from his pond that weighed 6¾ pounds. He had it dressed and *baked*. He pronounced it as good a fish as he ever ate.

Henry Ruff, Esq., of Ruff Bros., brewers, took a carp from his pond, near the city of Quincy, that weighed over six pounds. He had it cooked, and sampled by himself and a number of friends, who pronounced it an excellent food fish.

On the other hand, from time to time have appeared through the press statements to the effect that the carp was of inferior quality, and almost unfit to eat. We have endeavored to trace these statements to reliable sources, but failed. We believe that the reason for more than half of these unfavorable opinions of the edible qualities of carp is that they have been eaten during the spawning season,—when they are easily taken—at a time when no fish should be eaten in order to test its qualities as a food fish.

Of the reproductive powers of the carp, the best of evidence has been given.

Mr. F. Rieth, of Mt. Sterling, procured some carp through the Commission in 1881 and 1882, and now reports his pond literally filled with young fish, and the old ones of immense size. His is an ordinary farm pond.

Worthy Frost, Esq., of Fowler, Adams county, placed ten carp in his pond in the Fall of 1881. He now has a large number of yearlings, weighing from two to three pounds, and as he expressed it, "the pond is as full as it can hold of fish five to six inches in length," these of this season's spawning. This, too, is an ordinary farm pond.

In July, of this year, we placed in basin of fountain in Washington Park, Quincy, five German carp, two scale, and three mirror varieties. They had been brought here in a tank from Aurora a few days before. When the fish were taken out, perhaps two months later, we found about 500 young carp. The basin is about 20 feet in diameter and 2½ feet deep. It contains nothing on which to deposit the spawn save a few rocks about the fountain and four pipes used as jets.

The fish were two years old, weighing about 3½ to 5 pounds, and did not, when placed in pond, present any signs of being ripe.

Of the adaptability of the carp to our rivers, etc., we have to offer the following facts:

In the early part of July we received a letter from a firm of fishermen at Naples, Ill., on Illinois River, stating that they had caught a fish out of the river that was new to them, and giving description of it, from which we judged it to be a mirror carp, and telegraphed them to save it alive until we could send a tank for it, which we did on the following day. The fish, on arrival, proved to be a mirror carp, a fine specimen, weighing something over 5 pounds. The fish, however, was dead on arrival, the extreme heat making it difficult to transport.

Mayor Cooper, of Pekin, informed us that he had purchased of a fisherman at Pekin a mirror carp, caught out of the river, weighing about 6 pounds. It was alive, and placed by him in his pond.

At Meredosia, also on Illinois River, a carp weighing 8½ pounds was caught, and is now in our possession, alive.

At or near Hannibal, on Mississippi River, a number of carp have been caught, weighing from $1\frac{1}{2}$ to 5 pounds, showing beyond a doubt that there are carp of different ages in the river, and that a portion of the carp are those which have escaped from ponds, for from no other source could the carp have found their way into the river.

Above Quincy, on Mississippi River, at several times during this season, while the men have been taking the young native fish from the drying pools and levee pits, young carp have been taken almost too large for this season's spawning, yet not large enough for yearlings. They certainly must have been the increase of mature fish in the river.

Taking the facts altogether, it argues very favorably for the carp in our streams, and we have no doubt but that they will in time be numbered among our fish as native to our waters.

There has certainly been a decided increase in interest in the cultivation of the carp. Where five years ago there were probably not five carp ponds in the State, they are now numbered by the thousand, and some success must have been met with, as our lists show the greatest number of applicants from localities where they were first introduced.

There is a new variety of carp called the "Blue Carp," which is said to possess many good qualities. We have been promised a supply from U. S. ponds, and when received they will be placed in suitable ponds for purposes of propagation and ultimate distribution.

CARP DISTRIBUTION.

Our distribution of carp has been large, and indications are that our list for 1884 will exceed 1,000 names. In almost every instance ponds for their reception have been specially constructed, the expenditure by our agricultural people aggregating a very large amount of money.

It is possible for every farm to have somewhere within its borders a carp pond—on almost every farm can be found a spot good for nothing else. On *all*, space enough can be spared, and the revenue derived from such a pond will, we think, fully compensate for the loss of its use for other purposes. Many of our prairie farms are using drain tile, and in a number of instances great difficulty is found in disposing of the water. Why not dispose of this water satisfactorily and at the same time place upon the farm an ever increasing source of food supply? In other words make a level for the water, excavate a pond and stock it with carp. The cost would be slight, while the benefit to be derived would be great. The United States Fish Commission by their liberality in the past have enabled us to furnish a large number of applicants with carp, and have promised us a large shipment this fall. The distribution will be made from Quincy, Illinois, under the supervision of S. P. Bartlett. Live boxes have been provided for their reception, from which they are taken as the distribution progresses. A full record is kept

of each lot issued, and fish are only furnished where evidence is given the Commissioners that applicant has a proper pond for their reception.

We should have had all the carp needed from our own ponds, but circumstances were such as to render their removal impracticable, and we will depend upon the general government for a supply, which with our purchase will, we think, supply all applicants.

Another season, with reasonable success, we shall be enabled not only to supply all applicants, but will have a sufficiency to commence putting them into our streams and lakes. We have arranged with the owner of the Spring Hill Park, Peoria, S. E. Adams, M. D., for the use of his ponds for breeding purposes, and have procured and placed in them a large number of mature fish. The ponds are from an artesian well, temperature at all seasons above 68°. Our experiments this season have demonstrated that the water is certainly the best for purposes of carp propagation of any we have found in the State.

FISH-WAYS.

As we have, in former reports, discussed at length the necessity of the enforcement of laws regulating the obstructing of streams by dams, it will be unnecessary to do so now. The fish-way cannot be dispensed with and the work of the Commission made successful. We have not insisted upon compliance with the law for the reason that we have been waiting for the opinion of the Supreme Court in the case of *Parker vs. The People*, in March term, 1883, in error to the Circuit Court of Kendall county. The opinion having been filed, and as we think it is of importance, settling as it does some grave constitutional questions, we give a copy of it herewith:

Mr. Justice Walker delivered the opinion of the Court:

This case involves the question whether an act of the General Assembly is, or not, unconstitutional. We are fully impressed with the gravity of the question involved, and the important, if not vast, results that must flow from its determination. There are few questions that more vitally concern the future interests and welfare of the people than does this question. Again, it is always a delicate matter to review the action of the other coordinate branches of government, who act under the same obligations to observe and support the constitution that are imposed upon us. We have, therefore, in view of these considerations, bestowed an unusual amount of labor, thought and pains in the investigation of the question, and shall proceed to state our conclusions.

The act under which this proceeding was instituted was adopted on the 31st of May, 1879, (Sess. Laws, page 171,) which is declared to be an amendment to a prior act. It provides: "That it shall be the duty of any person or persons who now owns, or may hereafter erect, any dam or other obstruction across any of the rivers, creeks, streams, ponds, lakes, sloughs, bayous or other water-courses within this State, to place therein suitable fishways, in order that the free passage of fish up or down or through such waters may not be obstructed." And it imposes a fine not exceeding \$200 a year for not complying with the requirements of the statute, to be recovered before any justice of the peace of the county where such dam or obstruction may be situated. Defendant being the owner of a dam across Fox river, and refusing to comply with the law, was prosecuted before a justice of the peace, and on a trial a judgment was rendered against him. He appealed to the circuit court of the county, where a trial was had with the same result, and he brings the case to this court on error, and urges a reversal.

All the facts are conceded by stipulation of the parties. It is agreed that the dam was erected across Fox river, where it now stands, in the year 1836, and was raised to its present height in July, 1853, and has been so maintained ever since; that in 1842 Michael C. Parker, a remote grantor of plaintiff in error, purchased the land on which the mills and dam are situated, from the general government; that M. C. Parker, in 1857, procured the passage of an act of the General Assembly authorizing him, his heirs or assigns, to raise this dam higher, or to erect a new one at that place; that the dam always has obstructed, and now obstructs, the passage of fish in the river, and to construct a fishway in con-

formity to the act would cost about \$600; that plaintiff in error has owned and used the mills and dam since 1871, and maintained the dam at its present height since that time; that he has succeeded to and is possessed of all the rights with which Michael C. Parker was invested. These are the material facts of the case.

Plaintiff in error insists that he has a prescriptive right to maintain his dam as now constructed, as it has been used in its present condition, by himself and grantors, for more than twenty years; that the law requiring him to construct a fishway connected with his dam would be to deprive him of his rights without due process of law,—if intended for public use, without due compensation, or if for private use, then not only without compensation but without the semblance of constitutional warrant. He also contends that the act of 1857 was a charter, and as such is or contains a contract, and this law violates its obligation, and is repugnant to the contract clause of the Federal and State constitutions, and is therefore void. When the dam was erected it was without right and by a trespass on the lands of the government, and before Michael C. Parker purchased the land of the general government, the Legislature had by enactment, in 1840, (Sess. Laws, 98,) declared Fox river a navigable stream and public highway. It then follows that he purchased subject to the power of the Legislature to control the use of the stream to the same extent it had to regulate the use of other streams in the State which were navigable in fact. After the passage of that act Parker maintained his dam as an obstruction to a navigable river, and in violation of that law, because by the passage of that act it became public in its use, and its use was under the control of the Legislature. He, in all probability, to obtain a license to maintain his dam, procured the passage of the act of 1857, authorizing him to raise the height of the dam or to erect a new one; but did that act withdraw or surrender permanently the power of the General Assembly to protect the passage of fish in the stream? There is no rule of construction more familiar or more firmly established, than that all grants of powers must be taken most strongly in favor of the State and against the grantee. In such cases nothing passes that is not in the letter or by clear and unmistakable implication, and when the State makes a grant, the thing or right is subject to legislative control, precisely as other rights not derived from government; and, inasmuch as this was a license to maintain a dam in a navigable river, we have no right to hold that the legislature intended to repeal the act of 1840, so far as it related to the river above this dam. Such would be the effect if it should be held that Parker, his heirs or assigns, may maintain a complete obstruction at that place. It is not a reasonable inference that the General Assembly contemplated such a result. The act contains no language that in terms, or by implication, declares such a purpose. We must therefore hold that the license was made subject to legislative control. There is nothing in the act that warrants the conclusion that the General Assembly designed to permanently surrender any portion of its power of control over this river for the protection of fish. That the legislative branch of government has the power to prevent the erection and maintenance of obstructions in navigable streams can not be successfully controverted, and all must know that any obstruction to the passage of fish must necessarily obstruct the passage of boats and other water craft. We therefore have no hesitation in saying that the legislature, if it had the power, never intended by that act to permanently abandon the control for the free passage of fish in this river. Had it intended to repeal or amend the act of 1840, it is but reasonable to suppose it would have been done in terms.

There are some things, and they are the most essential of all to man, that are incapable of individual ownership. Such are air and water. All may and do participate, without restraint, in their enjoyment. They are the common inheritance of mankind. There are other things to a large extent incapable of individual ownership, and of these are game and fish, and they belong to the entire community, collectively; and belonging to all equally, for their protection from extinction, and to preserve the common ownership in all, they are, and of necessity have ever been, subject to legislative control. If they were not, the few would, by their destruction or appropriation, deprive the balance of the community of their rights in this common inheritance. Belonging to all, common justice requires their preservation for the use and enjoyment of all. From the wild and wandering nature of fish they are not, nor can they be, the subject of ownership in running streams, like animals and fowl which have been domesticated. The nature of fish impels them periodically to pass up and down streams for breeding purposes, and in such streams no one, not even the owner of the soil over which the stream runs, owns the fish therein, or has the legal right to obstruct their passage up or down, for to do so would be to appropriate what belongs to all to his own individual use, which would be contrary to common right, and all having a common and equal ownership, nothing short of legislative power can regulate and control the enjoyment of this common ownership. This must be so from absolute necessity. There is not, nor can there be, any other means of protecting each individual in the enjoyment of the rights his joint ownership confers, hence the necessity of legislative action to preserve and protect the rights of each and all in their common inheritance. Therefore the power of the legislature to act must be admitted.

The common law has always recognized the right of the riparian owner to take fish in the waters running over his own soil, and appropriate them to his own use; but the fish being the common property of the people, such owner has never had the right to obstruct their passage from that portion of the river which flows over his land, nor has he the right to wantonly destroy the fish passing over it, and thus deprive the community of their right to and ownership in the fish,—hence the manner in which, the time when, and the amount such riparian owner shall take, for the preservation of the common property, is a legislative and governmental function. Government was organized to protect the general and collective rights of the governed as fully as the individual rights of each member of the body politic,—and this power, as we shall see, has been exercised as a legislative function by the British parliament almost from the time of its organization.

At an early period, before and immediately after our State government was organized, the legislature adopted what is now Chapter 28 of the Revised Statutes of 1874, and that provision has ever since remained in force in this State. It provides: "The common law of England, so far as the same is applicable and of a general nature, and all acts of

the British parliament made in aid of and to supply the defects of the common law, prior to the fourth year of James I., (excepting several statutes specified), "and which are of a general nature, and not local to that kingdom, shall be the rule of decision, and shall be considered as of full force until repealed by legislative authority." We shall refer to *Magna Charta* and some of the early British statutes on this subject in aid of the common law, to show that under that law the regulation of the right to take fish, and for their increase and preservation, was always considered a legislative function. Under the common law, obstructions to the passage of fish were held to be public nuisances, and subject to legislative control.

That these rights were always, from the earliest times, considered of great public interest and of vast importance, is manifest from *Magna Charta* and the early British statutes. The arbitrary kings after the conquest claimed the game and fish in the Kingdom as a part of their prerogative, and conferred on their favorites and dependents royal franchises to take game and fish, to the exclusion of the people. This being in derogation of common right, there were many struggles to compel their monarchs to restore their ancient rights. The first that proved successful was in 1215, when King John was compelled to restore them by *Magna Charta*. The restoration of the rights it confirmed had been petitioned for during several previous reigns, but although promised, were never restored. Succeeding monarchs disregarded its provisions, but they were compelled to reaffirm the great charter. The 39th chapter of that instrument declares: "All kydeils (weirs) for the future shall be quite removed out of the Thames and the Medway, and through all England, except on the sea coast." (Thomp. Es. Mag. Ch. 81.) This charter or declaration of rights was confirmed by Henry III. in 1216. (Id. 112.) and again by the same monarch in 1217. (Id. 125.) and a third time in 1224-25. (Id. 138.) It was also confirmed by Edward I. in 1297, and in each of these confirmations the provision in regard to weirs is in precisely the same language. As illustrating the great importance attached to the right of fishery, the 48th chapter of the same charter provided: "All evil customs of forests and warrens, and foresters and warreners, * * * water banks and their keepers, shall immediately be inquired into by twelve knights of the same county, by oath, * * * and within forty days after inquisition is made they shall be altogether destroyed by them, never to be restored." Id. 85. This author, in his notes, (page 283.) says, speaking of this last provision of the charter: "It ordains that river banks shall not be defended excepting at their ancient places and boundaries; and its intent was, says Lord Coke, that no owner of such banks should in the future so appropriate or keep the rivers separate to himself as to prevent others from fishing or having passage at them. Sir Edward Coke says that *Magna Charta* and the *Charta Foresta* have been confirmed, established and commanded to be put into execution by thirty-two several acts of parliament in all; and inasmuch as this provision in regard to weirs seems to have been embraced in all of them, it establishes beyond all question that the power to control the exercise of the right of fishery was then, as it has been ever since, regarded as of national concern, and of such public importance as to form one of the chapters of the constitution or bill of rights of the British people, maintained only by long and bitter struggles.

The first statute we shall refer to is the 2d Westminster, 13th Edw. I. It provides: "The waters of Humber, Owse, Trent, Dove, Arre, Derwent, Wherefe, (Nid. Yore,) Swale, Tese, (Tine, Eden,) and all other waters, (wherein salmons be taken,) shall be in defence for taking salmons, from the Nativity of our Lady unto St. Martin's day; and likewise, that young salmons shall not be taken nor destroyed by nets, nor by other engines, at mill pools, from the midst of April unto the Nativity of St. John the Baptist; and in places (where as fresh waters be) there shall be assigned conservators of this statute, which, being sworn, shall oftentimes see and inquire of the offenders; and for the first trespass they shall be punished by burning of their nets and engines, and if they offend a second time they shall be punished by imprisonment for a quarter of a year, and if they offend a third time they shall be punished by imprisonment for a whole year, and as their trespass increaseth so shall their punishment." (1 Eng. Stat. at Large, 211.) The 13th Richard, 2 C. 19, contains similar provisions. The 1st Eliz. 17, prevents the taking of young fry or spawn of fish, and it also prohibits the taking of various kinds enumerated, under specified lengths. The 3d Jac. 1 C. 12, prohibits the erection of weirs at specified places, or using nets, to destroy the fry or spawn of sea-fish. And there are a number of ancient statutes that are local to counties or particular streams. There are other statutes of the same character adopted by parliament, on the same subject, that might be referred to. It thus appears that the preservation and the regulation of the mode and time of taking fish was of public concern, and a proper subject of legislation. It is thus distinguished from a mere private right not within the domain of legislation.

But as bearing on this question, as on the question of prescription, we will refer to some cases that shed much light on it. In *Wells v. Hornby*, 7 East, 195, Lord Ellenborough said: "The erection of weirs across rivers was reprobated in the earliest periods of our law. They were considered as public nuisances. The words of *Magna Charta* are, that 'all weirs from hence forth shall be utterly pulled down by *Thames and Medway, and throu hall E. grant*, etc. And this was followed up by subsequent acts treating them as public nuisances, forbidding the erection of new ones, and the enhancing, straightening or enlarging of those which had aforetime existed. I remember that the stells erected in the river Eden by the late Lord Lonsdale and the corporation of Carlisle, whereby all the fish were stopped in their passage up the river, were pronounced, in this court, upon a motion for a new trial, to be illegal, and a public nuisance. Now, here it appears that previous to the erection of this complete stone weir there had always been an escape for the fish through and over the old brush-wood weir, in which those in the stream above had a right, and it was not competent for defendant to debar them of it by making an impervious wall of stone, through which the fish could not insinuate themselves as it is well known they will through a brush-wood weir, and over which it is in evidence that the fish could not pass, except in extraordinary times of flood; and however twenty years acquiescence may bind parties whose private rights only are affected, yet the public have an interest in the suppression of public nuisances, though of longer standing." In the same case, Lawrence, J., said: "There is no bar to the action from any length of possession in the defendant." That case was by an upper riparian proprietor, and it appeared by ancient

deeds that for two centuries before that time the owners of the mill and weir had the right to maintain them, as expressed in the deeds: nor did they limit it as to its height, nor the materials of which it should be constructed. It is true, in that case the cause of action accrued within twenty years, but Lord Ellenborough referred to a case decided in the King's Bench, where it was held that such obstructions were illegal, and a public nuisance, and he so announced the doctrine in the case he was then deciding. We are aware that in comparatively recent cases in the courts of that kingdom the doctrine of *Weld v. Hornby* has been disregarded, but we prefer the exposition of the common law in that case to the more recent decisions of their courts, and are inclined to follow it as the better doctrine.

In the case of *Eubank v. Pence*, 5 Litt. (Ky.) 338, which was a condemnation proceeding for the erection of a mill and dam, the court said: "The inquest of the jury, taken under the writ of *ad quod damnum* which issued in this case, not having ascertained whether or not fish of passage will in any degree be obstructed, the court erred in ordering the mill seat to be condemned, and in giving permission to Pence to erect a mill. The order, therefore, must be reversed, with costs, the cause remanded to the court below, and the inquest of the jury quashed," etc. The legislature of Kentucky at an early period adopted the common law of England, and all statutes of the British parliament in aid thereof, and of a general nature and applicable to the condition of the people, passed prior to the American revolution, with exceptions similar to our statute. But concede this was under a statute of the State, still it shows the preservation of fish was regarded as of such public concern as to fall within the domain of legislative power. If not under such an enactment, it must have been under ancient British statutes.

In the case of *Sloughton v. Baker*, 4 Mass. 522, (two years subsequent to the decision of *Weld v. Hornby*, *supra*.) Chief Justice Parsons, in delivering the opinion of the court, said: "But the right to build a dam for the use of a mill was under several implied limitations. One was, to protect private rights by compelling him to make compensation to the owners of land above, for, and damages occasioned by, overflowing their lands. Another was, to protect the rights of the public to the fishery, so that the dam must be so constructed that the fish should not be interrupted in their passage up the river to cast their spawn. Therefore, every owner of a water mill or dam holds it on the condition, or perhaps under the limitation, that a sufficient and reasonable passageway shall be allowed for the fish. This limitation, being for the benefit of the public, is not extinguished by any inattention or neglect in compelling the owner to comply with it, for no *laches* can be imputed to the government, and against it no time runs so as to bar its rights." Another objection, he says, was urged, that if the resolution was constitutional, the legislature might authorize strangers to enter without right on the freehold or lawful possession of another. To this he answered: "This objection, supposing strangers enter without right, is begging the question, for if the owner of the dam holds it under the limitation mentioned, that limitation must extend to give a right to the government to enter and remove obstructions, which, if not removed, would defeat the limitation." This case was followed by a number of cases, among others the cases of *Commonwealth v. Chapin*, 5 Pick. 199, and *Vinton v. Welsh*, 9 Id. 87, which recognize the exclusive right of riparian owners to take fish on their own lands, but expressly hold, as against the public they have no right to obstruct their passage, and it is expressly held that the right is under legislative control.

In the case of *Carson v. Blazer*, 2 Binn. 475, it was held that the common law never prevailed in the State of Pennsylvania, which recognizes the exclusive right of the riparian owner to take fish in a stream flowing in front of or bounding his land, and such has been the recognized doctrine of that tribunal ever since. It has been followed by subsequent cases in that court.

In the case of *Hooker v. Cummings*, 20 Johns. 90, the doctrine of the common law was fully recognized and applied, and it was said: "The legislature have, confessedly, the right of regulating and taking of fish in private rivers, and do every year pass laws for that purpose as to rivers not navigable in any sense, and which are unquestionably private property."

The cases here referred to fully establish the doctrine that whatever the private right of taking fish in streams flowing over a man's land, it is under the limitation that its exercise may be regulated and controlled, as public necessity may require; and they clearly announce the rule that their free passage may be secured by enactment, as it is secured by the common law.

As early as in 1807 the Territorial legislature of Indiana adopted an act for the purpose of preserving fish in our waters, this State then being a portion of that Territory. The act provided for the condemnation of mill seats by a writ of *ad quod damnum*. It required the jury impaneled, to assess damages by reason of constructing the mill dam; also, to inquire whether, and to what extent, fish of passage or migration would be obstructed, and by what means such obstruction could be prevented. This law was in force when our territorial government was organized. The provision in relation to fish was dropped out when the laws were revised, after the State government was organized, and only restored by the act to which this is an amendment. In 1817 the Territorial legislature passed an act authorizing Ezra Owen to erect a dam in the Kaskaskia River, for the purpose of taking fish. It contained a provision that the dam should not obstruct the passage of fish or ordinary navigation. (See Laws 1817-18, p. 26.) This act was retained in the revision of 1819. (Laws, p. 351.) It is thus seen that in that early period of our history the legislative branch of our government claimed and exercised the power of preserving the fish in our waters. At that time it appears the exercise of the power was regarded as an inherent and unquestioned function of legislation.

But if any doubt existed, it is removed by the 22d section of article 4 of our present constitution. It provides that the General Assembly shall not pass local or special laws in a number of enumerated cases, and among the cases enumerated is "the protection of game and fish." This unmistakably recognizes the power as then existing, and undeniably authorizes its exercise. This must end all dispute as to the power. This limita-

tion of the power of the legislature in all of the cases enumerated refers to matters of a public nature, and among them is the protection of fish, which was regarded so important to the public that the legislature was restricted and prevented from granting, by special or local law, any privileges or exemption from a general law. It was esteemed too important a public interest to permit any person, even with the consent of the legislature, to escape from conforming to any general law which should be passed on the subject.

All must admit that from the remotest times game has been the subject of protection by legislation in Great Britain, and in this country since its settlement; nor has any one, until recently, questioned the constitutional power to adopt such laws, and our constitution places both the preservation of game and fish on the same basis and equality. There is no question that more concerns the public than an abundant supply of cheap and healthy food. In a densely populated country it is the all absorbing question that engages the attention of its people and the government. It is the basis of the happiness, prosperity and contentment of all peoples. And with our unparalleled increase of population, vast as is our domain, in a generation more it will become the all absorbing economical question for the government to solve. Even now, in some portions of the Union, it is taxing the energy of the people and the wisdom of statesmen, to a high degree, to provide against pinching want; and it must be obvious to all that the question of the increase of the supply of food, and the preservation of the sources of its supply, are matters of the highest public concern. There are few, if any, questions that should attract the attention of the law-makers to a greater extent, because of its public importance. All will concede the vast importance of the commercial and manufacturing interests of the country, and in recognition of their importance these interests have received aid and protection from the government; but no one can say they are of paramount importance more than an abundant supply of cheap food for the people, nor should the sources of such a supply be sacrificed to either or both of the other great interests. Commerce, manufactures and trade concern the opulent or persons in easy circumstances, but the supply of food vitally concerns the struggling masses, upon whose labor the other interests are wholly dependent. Their labor is indispensable to the very existence of commerce, manufactures and trade, and their interests and wants are of as essential importance, and are as worthy of the protection of Government, as the others. The interests of an owner of a mill or factory do not require the sacrifice of this great public interest by strained construction or refined distinctions. Its regulation is manifestly as public in its character as many others that have always been under legislative control, and never challenged or even questioned.

We now come to the consideration of the effects and consequences of holding that private individuals may acquire prescriptive rights against the public. If such a doctrine were to obtain, it would amount to a repeal of this law. All the riparian owners on every stream in the State, and many others, could prove that they and their ancestors had, for more than twenty years, maintained weirs, and used seines, nets and other prohibited devices for the destruction of fish. If the claim of such prescriptive rights should be sustained, then all the fish in our streams would soon be destroyed, and the production of food decreased perhaps millions of dollars annually, and other food enhanced in price, so as to become oppressive to the poor and struggling masses,—and the question, for these reasons, will annually grow in importance with our unparalleled increase of population. No one has questioned the power of government to protect cattle, sheep and hogs from disease, or the power to pass and enforce restrictions for their preservation for food for the great mass of the people. This may not be so important an interest as either of the others, but there is no doubt it is of great public concern. The legislature has the power, and is charged with the duty, of passing all laws for the preservation of the liberties of the people and their morals, and to adopt all measures for the general welfare, and this law is eminently adapted to produce such results. At the ancient common law it was regarded as within legislative power to prevent the forestalling, regrating and engrossing of food, and they were prohibited by statute, for the protection of the people against unjust exactions in the price of food. If such were objects of legislation, then the preservation and increase of this article of food must necessarily be of great public, as contradistinguished from private, interest.

The act of 1857 does not possess a single ingredient of a charter for a corporation. It does not, in the remotest degree, refer to a corporation, or confer the slightest corporate powers or franchises, or anything which can be tortured into a grant of such franchises. If the courts may torture that act into a charter, or hold that plaintiff in error is a corporation, then it might be held that almost any law on the statute book is a charter, and creates a corporation. To so hold in this case would be to disregard all definitions, distinctions and relation of things. It surely is not expected that this or any other court could so hold. It is so palpable that the act is not a charter, it is useless to search for authorities, as no one before, we presume, ever conceived such an idea.

On thorough examination and earnest reflection, we are impelled to the conclusion that the General Assembly exercised legitimate and constitutional power in the adoption of the act of 1879, and did not thereby deprive plaintiff in error of any right of property or privilege. Nor did or could he acquire a prescriptive right against the public. We, for these reasons, conclude that this is one of the great purposes for which the State government was brought into existence, and the legislature has no competent authority to permanently grant or barter it away. That it may suspend the right, and license persons to create such nuisances, none can deny; but the license may be revoked at will, as the licensee acquires no vested rights under the license. This power can only be destroyed or withheld by the people when framing and adopting a constitution.

Perceiving no error in the record, the judgment of the court below is affirmed.

Judgment affirmed.

We shall use every effort possible to ascertain first the best and most economical fishway that can be used, for we do not care to foist upon any of our business interests an unnecessary expense, nor to do them an injury; but when such fishway shall be found, we must insist upon a full compliance with the law, for without a free and unobstructed course for our fish up and down our streams, our work, when done as best we can, is without practical results.

A number of owners of dams have constructed fishways over their dams; a number of others have signified their intention of doing so, and we feel confident that all will, when the matter is properly put before them, avoid any unnecessary litigation and do what they can to further the work of your Commissioners.

FISH LAWS.

Next to the propagation and distribution of the young native fish, one of the most important features in the work, if not the most important, is proper laws for the protection of fish.

As our laws now stand, they are not such as will accomplish the end to be desired. They were framed and passed at a time when the interest in fish culture and protection was really confined to what may be classed as the sportsmen element, the lovers of rod and line, and when they were placed on our statute books it was after considerable opposition.

But now, the case is different. The matter of a supply of fish in our waters has passed from one of mere sporting interest, to a serious question of food supply.

It is useless for the State to spend money in repopulating our streams unless the laws of our State, regulating their protection, can be made operative, and protection afforded.

Thirty years ago, every stream, lake and tributary in this State, one of the best in the Union so far as natural homes for fish is concerned, was filled with fish. The angler or farmer could obtain, without much effort, all the fish needed. As the State has filled up, catching fish for market was made a business, seemingly necessitated by the growing demand, until now we find our waters almost depleted of varieties once common and plenty. Within the last fifteen years it was of very common occurrence to see large fish offered, in our river towns, at prices so low that a poor man could obtain for a few cents all that he could use. Now, the coarsest fish we have has become a luxury, selling at from 6 to 10 cents a pound, according to locality and supply.

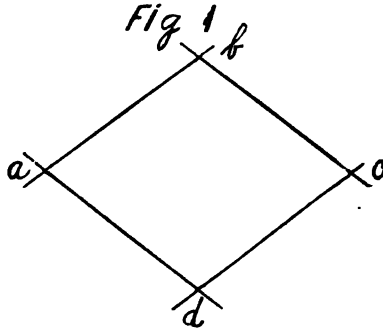
Ten million pounds of the buffalo fish have found their way into market, from the waters of our State, in a single year. It has been stated to your Commission that 400,000 pounds were taken in a single day by one gang of men on Illinois River. The rivers are lined with fish boats and rigs, and the constant drain and wholesale slaughter is simply immense, and is fast telling on the fish supply. In the great lakes, the same result is noted. Where but a few years ago the whitefish were very plenty—all know of the immense trade the lake fish have furnished,—to-day they are not only

scarce, but so scarce that the fishermen themselves are becoming alarmed at the future outlook, and have, through our conventions, asked that some laws be passed to protect them.

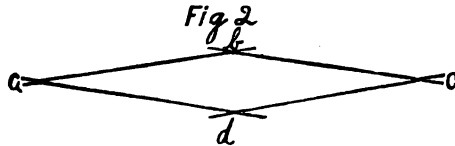
That our laws, as they now stand upon our statute books, are not operative, we will endeavor to show.

The act to amend section one (1) of an act entitled "An act to secure the unobstructed passage of fish in all the waters of this State wherein they were once accustomed to be found," approved March 22, 1872, in force July 1, 1872, approved May 31, 1879, in force July 1, 1879, contains the following clause: "That from and after the adoption of this act, it shall be unlawful for any person to use any seine or net for the purpose of catching fish, except minnows, in any of the waters of this State, the meshes of whose seine is less than two inches."

The framers of the law no doubt intended, when the lawful size of the mesh was made two inches, to mean two inches square, or to measure



two inches from "a" to "b" as shown in Fig. 1, the proper way to measure a mesh; but as soon as such law was passed, manufacturers and jobbers, to evade the law and find a market for their stock, issued price lists giving prices on seine or net-web measuring from "a" to "c" when drawn to its greatest length, as in Fig. 2.



As soon as information was filed and suit brought under this act for violation of our law, these price lists, supported by evidence of those engaged in such traffic, are brought in to prove such measurements, and in nine out of ten cases are held by court to be the correct way of measuring a mesh.

If the act is allowed to stand upon our books as a part of our protective laws, it should, at least, be amended so as to define beyond any question the meaning of the words "two inches," as applied to measurement of meshes. For with a seine whose meshes are two inches as measured by process described in Fig. 2, it would

make, as a matter of fact, but an inch square mesh, and by its use almost everything would be taken, even the fish placed in the waters by our system of distribution would in many instances be caught.

Section one (1) of "An act entitled an act to encourage the cultivation of fishes within the State of Illinois," approved and in force May 18, 1879, says:

"SEC. 1. [WHEN UNLAWFUL TO CATCH WITH SEINE. NET, ETC.] *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That it shall be unlawful for any person or persons to catch or kill any fish of species commonly called black, green, silver, or white bass, pike, pickerel, salmon, landlock salmon, jack salmon, croppie or grass bass, sun fish, sun perch or other fish commonly known as GAME fish, in or upon any of the rivers, creeks, streams, ponds, lakes, sloughs, bayous, or other water courses, wholly within or running through the State of Illinois, with any seine, net, weir or other device other than hook and line, from the fifteenth day of February to the fifteenth day of June in each and every year."

This law was evidently made to protect the fish during the spawning period, and was perhaps the best that could be passed at the time, but we find it open to the following objections:

First, The length of time for which it makes a close season.

Second, In not defining what shall be understood by the words "game fish."

Third, In not prohibiting *entirely* the use of seine or net, during the time specified as a close season.

In the first place, four months does not cover the spawning season for all our native fish throughout the entire State. If a close season is needed at all it should be for six months.

Secondly, the words "game fish" have been variously construed, and in almost every instance when the matter has been brought into court, have been settled to mean such fish as readily take a live bait, excluding the cat fish, buffalo, white perch, native carp, shoveler fish, etc. And as a consequence, the fishermen go on, make their hauls, catch anything and everything—taking care only that they are not caught taking any of the enumerated varieties—out of the seine, perhaps throwing them back when watched, but always turning up with fine fish in their possession, openly offering them for sale, leaving the people powerless to prosecute for want of evidence.

Third, we hold that the close season should be made, prohibiting the use of seines for the entire time, for the reason that the very object of the law—i. e.: the protection of the spawning fish and the spawn itself—is defeated by allowing a seine to be used at all, as the mere act of drawing a seine with its heavy leaded line on the bottom of a stream, lake or slough, *must* destroy every egg deposited there, even though not a scale of a game fish is injured. Thus it is possible for one drag of a large seine in a lake to not only deplete it of live fish, but absolutely to destroy all hope of any future increase, and in one hour accomplish more damage than could be repaired in a season's work by the Commission.

During what is known as the "rolling season" of the buffalo fish it is the almost universal custom of fishermen to go out upon the overflowed prairies with their trammel nets and seines, and watch for a "roll," i. e. a school of buffalo—usually found in some depres-

sion—and when found, to set trammel net, or surround with seine. These nets and seines, thus used in the grass and weeds, soon become filled with burs, sticks, grass, etc., and upon this as well as the nets themselves can be found in countless numbers the eggs of the buffalo, so that aside from the taking of the old fish, the act of using the seine or net must of necessity destroy the spawn, which if left for nature to develop would give us hundreds of thousands of young fish to supply in part at least the loss occasioned by the wholesale slaughter of the buffalo in other directions—by wing-nets—Tyke nets, set-nets, traps, and the varied devices used to catch the fish.

These reasons are presented to show why, in our opinion, our laws should be amended so as to prevent the use of the seine during the close season, and with such laws the work of your Commission would be materially aided. But, in point of fact, the use of the seine or net during any season of the year should be prohibited, at least for a number of years. Along the Mississippi and Illinois Rivers particularly are found hundreds of beautiful lakes, subject to overflow when the rivers are over their banks, but land-locked almost when the rivers recede.

These lakes are generally well stocked with fish by the overflow, but the fishermen, after carefully cleaning out all obstructions—as is often done—can by one haul with a seine take everything, settling for the season all prospects of a “catch” with hook and line.

This is not the case with one lake alone, but in every lake along the rivers is the process repeated. For eight months in the year our rivers, lakes and streams are subject to this piracy. With so many loopholes through which to escape, the fishermen as a class are bold and defiant, regarding any attempt to enforce the laws as an infringement on their rights. So much so is this the case, that out of the great number of complaints filed with the Commission, of parties violating the law, not one per cent. of the parties informing consent to appear as witnesses, or allow their names to be used in any way in the matter.

Iowa has been the first of the Western States to pass laws prohibiting the use of seines and nets, and by the prompt and rigorous enforcement of them by her efficient Commissioner, Hon. A. W. Aldrich, has succeeded in placing the waters of that State on a footing that may well be the envy of her sister States. Since April last Mr. Aldrich has caused to be destroyed 366 seines, and to-day has the State practically under control, so that every fish planted has at least a “fighting chance” for its life.

There is no State in the Union that has more advantages in the matter of natural homes for fish than has Illinois. A glance at the map will show a State almost bounded by water—rivers and lakes—from them, tributaries, and tributaries to tributaries, making a perfect net-work of streams, all fed by the Mississippi, acknowledged to be one of the finest streams for fish in the world.

Your Commissioners would respectfully recommend the passage of new or amendment of old laws to afford such protection to our fish as they must have, if the successful and practical restocking of the waters be accomplished. Also, that it be made the duty of some

one to see that such laws are properly enforced. A great deal of fault is found and blame attached to the Commission for not using greater efforts in enforcing existing laws. We can not find any warrant, further than is implied by our position, for making this a part of our business, more than that of any other citizen, but we have, whenever evidence could be obtained, usurped such powers and prosecuted all cases that could be reached.

It will readily be understood that to do the necessary work of the Commission, as enumerated in this Report, must consume a large amount of time, and that to do all the work assigned them by a willing public would make it an exclusive business for them, which amount of time could not well be given under the circumstances, as, under our law, the Commissioners serve without compensation.

RAILROADS.

We desire to acknowledge the favors we have received from the various railroad managements of the State. We have had but to present our requests to have them granted, and have found them at all times willing and ready to aid us in every possible way, showing by their acts a substantial appreciation of the work, and that it is, as it should be, of a public nature entirely, benefiting all alike.

CONCLUSION.

In conclusion we would again urge the importance of the work of the Fish Commission, benefiting, as it does, the greater proportion of the people of the State, and the urgent necessity which exists for more stringent protective laws properly enforced, and we believe we cannot present our view of this matter more forcibly than by quoting the following extract from the opinion of the Supreme Court, as delivered by Mr. Justice Walker, a copy of which is given in full in another part of our report:

"All must admit that from the remotest times game has been the subject of protection by legislation in Great Britain and in this country since its settlement; nor has any one, until recently, questioned the constitutional power to adopt such laws, and our constitution places both the preservation of game and fish on the same basis and equality.

"There is no question that more concerns the public than an abundant supply of cheap and healthy food. In a densely populated country it is the all absorbing question that engages the attention of its people and the Government. It is the basis of the happiness, prosperity and contentment of all peoples. And with our unparalleled increase of population, vast as is our domain, in a generation more it will become the all absorbing economical question for the Government to solve. Even now, in some portions of the Union, it is taxing the energy of the people and the wisdom of statesmen, to a high degree, to provide against pinching want; and it must be obvious to all that the question of the increase of the supply of food, and the preservation of the sources of its supply, are matters of the highest public concern.

"There are few, if any, questions that should attract the attention of the law-makers to a greater extent, because of its public importance. All will concede the vast importance of the commercial and manufacturing interests of the country, and in recognition of their importance these interests have received aid and protection from the Government; but no one can say they are of paramount importance, more than an abundant supply of cheap food for the people, nor should the sources of such a supply be sacrificed to either or both of the other great interests. Commerce, manufactures and trade concern the opulent or persons in easy circumstances, but the supply of food vitally concerns the struggling masses upon whose labor the other interests are wholly dependent. Their labor is indispensable to the very existence of commerce, manufactures and trade, and their interests and wants are of as essential importance, and are as worthy of the protection of Government as the others."

Respectfully submitted,

N. K. FAIRBANK,
S. P. BARTLETT,
GEO. BREUNING.

STREAMS CROSSED BY CHICAGO, BURLINGTON AND QUINCY RAILROAD IN ILLINOIS.

Points on Railroad.	Streams.	County.
Chicago to Burlington.....	Chicago River.....	Cook.....
	Des Plaines River.....	..
	Salt Creek.....	..
	East DuPage River.....	DuPage.....
	West DuPage River.....	..
	St. Jo Run.....	..
	Indian Creek.....	..
	Fox River.....	Kane.....
	Blackberry Creek.....	Kendall.....
	Rob Roy Creek.....	..
	Big Rock Creek.....	..
	Little Rock Creek.....	..
	Somonauk Creek.....	DeKalb.....
	Little Indian Creek.....	..
	Little Indian Creek.....	LaSalle.....
	Main Bureau.....	Bureau.....
	Coal Creek.....	..
	Pilot Creek.....	Knox.....
	Henderson River.....	Henderson.....
GENEVA BRANCH.		
Aurora to Geneva.....	Mills Creek.....	Kane.....
	Nelson Lake.....	..
	Head of Blackberry Creek.....	..
FOX RIVER BRANCH.		
Aurora to Streator.....	Fox River.....	Kendall.....
	Illinois River.....	LaSalle.....
	Indian Creek.....	..
	Buck Creek.....	..
	Civil Creek.....	..
	DuPage River.....	DuPage.....
ROCK FALLS BRANCH.		
Shabbona to Sterling.....	Blackberry Creek.....	Kane.....
	Big Rock Creek.....	..
	Squaw Creek.....	DeKalb.....
	Somonauk Creek.....	..
	Greene River.....	Lee.....
	Rock River.....	Whiteside.....
	Elk Horn Creek.....	..
	Rock Creek.....	..
CLINTON BRANCH.		
Mendota to Fulton.....	Main Bureau.....	Bureau.....
	Pike Creek.....	..
	Walnut Creek.....	..
	Spring Creek.....	Whiteside.....
	Big Rock Creek.....	..
	Little Rock Creek.....	..
RUSHVILLE BRANCH.		
Buda to Rushville.....	Coal Creek.....	Bureau.....
	Spoon River.....	Stark.....
	Cooper's Creek.....	..
	Nile Creek.....	Peoria.....
	Sugar Creek.....	Schuyler.....
	Spudaway Creek.....	Fulton.....
	Otter Creek.....	..

Streams Crossed by Chicago, Burlington and Quincy Railroad in Illinois—Continued.

PEORIA BRANCH.

Points on Railroad.	Streams.	County.
Peoria to Galesburg	Spoon River	Knox
	French Creek	Peoria
	Nile Creek	Peoria
	Kickapoo Creek	Peoria

QUINCY BRANCH.

Galesburg to Quincy	Cedar Creek	Knox
	Centre Creek	McDonough
	Kepple Creek	McDonough
	Crooked Creek	McDonough
	Flour Creek	McDonough
	Bear Creek	McDonough

KEITHSBURG BRANCH.

Galva to Gladstone	Edwards Creek	Henry
	West Mud Creek	Henry
	Edwards River	Mercer
	Henderson River	Henderson

HANNIBAL AND LOUISIANA BRANCH.

Quincy to Hannibal	Mill Creek	Adams
and	Pigeon Creek	Pike
Fall Creek to Louisiana	Hadley Creek	Pike
	McCramy Creek	Pike
	Kaiser Creek	Pike
	Dutch Creek	Pike
	Sny Ecarte, near Hannibal	Pike
	Sny Ecarte, near Rockport	Pike

CARTHAGE BRANCH.

Burlington to Quincy	Bear Creek	Hancock
	Rock Creek	Hancock
	Rock Creek	Adams
	Panther Creek	Hancock

ST. LOUIS DIVISION.

East St. Louis to Rock Island	Rock River	Rock Island
	Edwards River	Henry
	Pope Creek	Knox
	North Henderson Creek	Knox
	Middle Henderson Creek	Warren
	Cedar Creek	Warren
	Sugar Creek	Warren
	Swan Creek	Warren
	Illinois River	Cass
	Indian Creek	Cass
	Manvalsterre Creek	Scott
	Big Sandy Creek	Scott
	Apple Creek	Greene
	Taylor Creek	Greene
	Macoupin Creek	Jersey
	Wood River	Madison

STREAMS CROSSED BY CHICAGO AND ALTON RAILWAY IN ILLINOIS.

Streams.	Points on Railroad.	County.
Kankakee River.....	Near Wilmington.....	Will.....
Mackinaw River.....	Near Lexington.....	McLean.....
Salt Creek.....	Near Lincoln.....	Logan.....
Kickapoo Creek.....	Near Lawndale.....	.....
Sangamon River.....	Near Springfield.....	Sangamon.....
Macoupin Creek.....	Near Macoupin.....	Macoupin.....
Wood River.....	Near Alton.....	Madison.....
Long Lake.....	Near Mitchell.....	.....
Chokla Creek.....	Near E. St. Louis.....	St. Clair.....
Macoupin Creek.....	Near Riverdale.....	Greene.....
Sangamon River.....	Near Petersburg.....	Menard.....
Illinois River.....	At Pearl.....	Pike.....
Vermilion River.....	At Pontiac.....	Livingston.....

STREAMS CROSSED BY ILLINOIS CENTRAL RAILROAD IN ILLINOIS.

CHICAGO TO MAIN LINE JUNCTION.

North Calumet River.....	Near.....	Riverdale.....
South Calumet River.....	Near.....	South Lawn.....
Kankakee River.....	At.....	Kankakee.....
Bushy Creek.....	Near.....	Neoga.....
Green Creek.....	Near.....	Sigel.....
Little Wabash River.....	Near.....	Mason.....
Dismal Creek.....	Near.....	Laclede.....

CAIRO TO EAST DUBUQUE.

Lower Cache.....	1 mile north of.....	Mounds.....
Upper Cache.....	At.....	Ulm.....
Drury Creek.....	At.....	Waukanda.....
Drury Creek.....	3/4 mile north of.....	.....
Big Muddy River.....	2 miles north of.....	DeSota.....
Little Muddy River.....	2 miles north of.....	DuBois.....
Crooked Creek.....	3/4 mile north of.....	Central City.....
East Fork Kaskaskia River.....	4 miles north of.....	Patoka.....
North Fork Kaskaskia River.....	1 1/2 miles north of.....	.....
Flat Creek.....	1 mile north of.....	Vernon.....
Branch of Kaskaskia.....	2 miles north of.....	Shabonster.....
Hickory Creek.....	2 1/4 miles south of.....	Vandalia.....
Bear Creek.....	1 1/4 miles south of.....	Vera.....
Ramsey Creek.....	1 1/4 miles south of.....	Ramsey.....
Ash Creek.....	2 1/4 miles south of.....	.....
Opossum Creek.....	3 1/4 miles north of.....	Oconee.....
Coal Creek.....	1 1/2 miles south of.....	Pana.....
Trauber Creek.....	1 1/4 miles north of.....	Moawequa.....
Sangamon River.....	1 1/2 miles south of.....	Decatur.....
Salt Creek.....	3 1/2 miles south of.....	Clinton.....
Kickapoo Creek.....	1 mile north of.....	Heyworth.....
Sugar Creek.....	1 mile north of.....	Bloomington.....
Mackinaw River.....	1 mile south of.....	Kappa.....
South Panther Creek.....	1 1/2 miles south of.....	Panola.....
North Panther Creek.....	1 1/2 miles north of.....	.....
South Fork Sandy Creek.....	1 1/2 miles south of.....	Wenona.....
North Fork Sandy Creek.....	2 1/4 miles south of.....	.....
Illinois River.....	At.....	LaSalle.....
Bureau Creek.....	3 miles south of.....	Sublette.....
Inlet Creek.....	1 1/4 mile south of.....	Amboy.....
Rock River.....	1 1/2 mile north of.....	Dixon.....
Buffalo Creek.....	1 1/2 mile north of.....	Polo.....
Leaf River.....	2 miles north of.....	Foreston.....
Yellow Creek.....	2 1/2 miles south of.....	Freeport.....
Preston's Creek.....	3 miles north of.....	.....
Apple River.....	1 1/2 miles north of.....	Apple River.....
East Fork Galena River.....	1 mile east of.....	Council Hill.....
East Fork Galena River.....	2 1/4 miles west of.....	.....
Galena River.....	At.....	Galena.....
Sinsinway River.....	1 1/4 miles east of.....	Monominee.....
Little Monominee River.....	At.....	.....
Big Monominee River.....	4 miles west of.....	.....

Streams Crossed by Illinois Central Railroad in Illinois—Continued.

MIDDLE DIVISION FROM CHICAGO.

Streams.	Points of Railroad.	Towns.
Vermilion River	1¼ miles north of	Charlotte
Vermilion River	1½ miles west of	Pontiac
FROM SPRINGFIELD.		
Sangamon River	Near	Springfield
Salt Creek	1¼ miles north of	Kenney
Salt Creek	3 miles south of	DeWitt

STREAMS CROSSED BY PEORIA, PEKIN AND JACKSONVILLE RAILWAY IN ILLINOIS.

Kickapoo Creek	3¼ miles south of	Pekin
Illinois River	At	"
Lost Creek	2 miles south of	"
Mackinaw River	1 mile south of	Grand Bluff
Mud Creek	2 miles south of	Pekin
Quiver Creek	1¼ miles south of	Toscka
Sangamon River	1¼ miles north of	Chandlerville
Little Indian Creek	1¼ miles south of	Little Indian
Big Indian Creek	1¼ miles south of	Petersburg
Mauvesterre Creek	1 mile north of	Jacksonville

STREAMS CROSSED BY WABASH, ST. LOUIS AND PACIFIC RAILWAY IN ILLINOIS.

Little Wabash River	Between Shumway and	Effingham
Okaw River	Between Windsor and	Bruce
Vermilion River	Between Pontiac and	Dorrell
Kankakee River	Between Essex and	Ritchie
Forked Creek	Between Ritchie and	Symerton
Horse Creek	Between Essex and	Ritchie
Hickory Creek	Between New Lenox and	Marley
Salt Creek	East of	Clinton
Sangamon River	Between Sangamon and	Decatur
Sangamon River	Between Riverton and	Springfield
Sangamon River	Between Decatur and	Boody
Sangamon River	Between Monticello and	Lodge
Sangamon River	Between Woods and	White Heath
Sangamon River	Between Monticello and	Argenta
Sangamon River	Between Taylorville and	Clarksdale
Illinois River	At	Meredosa
Illinois River	At	Valley City
Hadley Creek	Between Barry and	Kinderhook
Shoal Creek	Between Raymond and	Honey Bend
Cahokia Creek	Near	Edwardsville

STREAMS CROSSED BY OHIO AND MISSISSIPPI RAILWAY IN ILLINOIS.

Wabash River	At	Vincennes
Embarras River	1 mile east of	Lawrenceville
Little Wabash River	1 mile east of	Clay City
Kaskaskia River	At	Carlyle

SPRINGFIELD DIVISION.

Illinois River	At	Beardstown
Spring Creek	3 miles southeast of	Springfield
South Fork of Sangamon	2 miles northwest of	Recherster
Flat Branch	1½ miles southeast of	Taylorville
Okaw River	2 miles southeast of	Cowden
Skillet Fork	1½ miles south of	Mill Shoal

STREAMS CROSSED BY PEORIA, DECATUR AND EVANSVILLE RAILWAY IN ILLINOIS.

Streams.	Points on Railroad.	Towns.
Illinois River.....	At.....	Pekin.....
Mackinaw River.....	8 miles south of.....	.....
Sugar Creek.....	5 miles northwest of.....	Lincoln.....
Kickapoo Creek.....	2 miles northwest of.....	.....
Salt Creek.....	3 miles south of.....	Mt. Pulaski.....
Sangamon River.....	1 mile south of.....	Decatur.....
Okaw (West Fork) River.....	5 miles northwest of.....	Sullivan.....
Okaw (East Fork) River.....	3 miles southeast of.....	.....
Embarras River.....	At.....	Greenup.....
Embarras River.....	At.....	Grayville.....
Wabash River.....	At.....	Newton.....

STREAMS CROSSED BY LAKE ERIE AND WESTERN RAILWAY IN ILLINOIS.

Kickapoo River.....	In.....	Sangamon County.
Sangamon River.....	In.....	Sangamon County.
West Fork Vermilion.....	In.....	Ford County.....
North Fork Vermilion.....	In.....	Vermilion County..

STREAMS CROSSED BY CHICAGO AND NORTHWESTERN RAILWAY IN ILLINOIS.

Rock River.....	.....	.....
Fox River.....	.....	.....
Des Plaines River.....	At.....	Maywood.....
DuPage River.....	1½ miles west of.....	Winfield.....
West Kishwaukee River.....	At.....	DeKalb.....
Elk Horn River.....	1 mile west of.....	Galt.....
East Kishwaukee River.....	At.....	O. Valley.....
Nippersink River.....	3 miles south of.....	Richland.....
Pecatonica River.....	At.....	Freeport.....

STREAMS CROSSED BY INDIANAPOLIS, BLOOMINGTON AND WESTERN RAILWAY IN ILLINOIS.

Vermilion River.....	At.....	Danville.....
Salt Fork.....	At.....	Oakwood.....
Mid-Fork Vermilion.....	Near.....	Danville.....
Sangamon River.....	At.....	Mahomet.....
Mackinaw River.....	At.....	Mackinaw.....
St. Joseph River.....	At.....	St. Joseph.....

STREAMS CROSSED BY CHICAGO AND EASTERN ILLINOIS RAILWAY IN ILLINOIS.

Calumet River.....	1 mile north of.....	Dalton.....
Calumet River.....	2 miles south of.....	Dalton.....
Kankakee River.....	At.....	Momence.....
Iroquois River.....	At.....	Watseka.....
Sugar Creek.....	Between Watseka and.....	Woodland.....
Little Vermilion.....	2 miles south of.....	Danville.....

STREAMS CROSSED BY JACKSONVILLE AND SOUTHEASTERN RAILWAY IN ILLINOIS.

Shoal Creek.....	Bond County.....	.....
Kaskaskia.....	Clinton County.....	.....

MISSISSIPPI RIVER AND ITS TRIBUTARIES WHOLLY OR PARTLY WITHIN THE STATE OF ILLINOIS.

Ohio River.
Big Muddy River.
Kaskaskia River.
Mary's River.

Illinois River.
Fox River.
Henderson River.
Edwards River.

Rock River.
Plum River.
Apple River.

CREEKS TRIBUTARY TO MISSISSIPPI RIVER :

Clear Creek.
 Fountain Creek.
 Cahokia Creek.
 Piassa Creek.
 Kiaset Creek.
 Mill Creek.
 Itock Creek.
 Bear Creek.
 Honey Creek.
 Dugout Creek.
 Cedar Creek.
 Ursa Creek.
 Pope Creek.
 Eliza Creek.
 Copper Creek.
 Johnson Creek.
 Big Rush Creek.
 Small Fox Creek.

TRIBUTARIES TO OHIO RIVER :

Saline River.
 North Fork of Saline River.
 South Fork of Saline River.
 Embarras River.

TRIBUTARIES TO BIG MUDDY RIVER :

Kingkald Creek.
 Beaucoup Creek.
 Pipe Stone Creek.
 Galum Creek.
 Little Beaucoup Creek.
 Swanwick Creek.
 Locust Creek.
 Painter Creek.
 Big Crab Orchard Creek.
 Crab Orchard Creek.
 Little Muddy River.
 Carson Creek.
 Middle Fork of Big Muddy River.
 Ewings Creek.
 Gum Creek.
 Casey Fork.
 Atchinson's Fork.
 Ray's Creek.

TRIBUTARIES TO KASKASKIA RIVER :

Nine Mile Creek.
 Plumb Creek.
 Silver Creek.
 East Fork.
 Big Muddy Creek.
 Elk Horn Creek.
 Sugar Creek.
 Shoal Creek.
 Beaver Creek.
 Flat Branch.
 East Fork of Shoal Creek.
 Dry Creek.
 Middle Fork of Shoal Creek.
 West Fork of Shoal Creek.
 Crooked Creek.
 Lost Creek.
 Great Point Creek.
 Prairie Creek.

Coles Creek.
 Gibbs Creek.
 East Fork Kaskaskia River.
 Bear Creek.
 Hurricane Creek.
 Hickory Creek.
 Camp Creek.
 Booz Creek.
 Suck Creek.
 Big Creek.
 Beck's Creek.
 Richland Creek.
 Brush Creek.
 Robinson Creek.
 Sand Creek.
 West Fork of Kaskaskia River.
 Apple Creek.
 Lake Fork.

TRIBUTARIES TO ILLINOIS RIVER :

Otter Creek.
 Macoupin Creek.
 Taylor's Creek.
 Joe's Creek.
 Solomon's Creek.
 Otter Creek.
 Bear Creek.
 Honey Creek.
 Apple Creek.
 Big Grassy Lake.
 Big Sandy Creek.
 Little Sandy Creek.
 Walnut Slough.
 Bay Creek.
 Manvalsterre Creek.
 McKel's Creek.
 Willow Creek.
 Indian Creek.
 Prairie Creek.
 Crooked Creek.
 Little Missouri Creek.
 Cedar Creek.
 Grindstone Creek.
 Carter's Creek.
 Camp Creek.
 Troublesome Creek.
 Panther River.
 Bronson's Creek.
 Middle Creek.
 Long Creek.
 North Branch of Crooked Creek.
 Spring Creek.
 Sangamon River.
 Big Panther Creek.
 Clary's Creek.
 Oranne Creek.
 Salt River.
 Prairie Creek.
 Sugar Creek.
 Kickapoo Creek.
 Deer Creek.
 Salt Creek.
 North Branch Salt Creek.
 Lake Fork Salt Creek.
 Rock Creek.
 Spring Creek.
 Lick Creek.
 Sugar Creek.
 Brush Creek.
 South Fork.
 Bear Creek.
 Flat Branch.
 Lake Fork.
 Willow Branch.
 Goose Creek.
 Camp Creek.
 Madden Creek.
 Stevens Creek.
 Otter Creek.
 Spoon River.
 Big Creek.
 Putnam Creek.

Coal Creek.
 Cedar Creek.
 Swan Creek.
 French Creek.
 Sugar Creek.
 Walnut Creek.
Quiver Creek.
Bucklin Creek.
Mackinaw Creek.
 Mill Creek.
 Walnut Creek.
 Panther Creek.
 Northwestern Branch Mackinaw River.
 East Branch.
 Six-Mile Creek.
 Honey Creek.
 Bray's Creek.
 Henline Creek.
Kickapoo Creek.
Richland Creek.
Crow Creek.
 North Branch of Crow Creek.
 South Branch of Crow Creek.
Strawn's River.
Crow Creek.
Sandy Creek.
Clear Creek.
Big Bureau Creek.
West Bureau Creek.
Negro Creek.
Vermillion River.
 Wolf Creek.
 Otter Creek.
 Scattering Point Creek.
 Rook's Creek.
 South Fork Vermillion River.
 North Fork Vermillion River.
Covel Creek.
Fox River.
 Big Indian Creek.
 Indian Creek.
 Mission Creek.
 Somonauk Creek.
 Battle Creek.
 Blackberry Creek.
 Fox Lake.
 Squaw Creek.
 Nipper Sink Lake and Creek.
Nettle Creek.
Waupcan Creek.
Mazon River.
 West Fork of Mazon River.
 East Fork of Mazon River.
 Gooseberry Creek.
Au Sable Creek.
 Saratoga Creek.
Kankakee River.
 Prairie Creek.
 Forked Creek.
 Rock Creek.
 Iroquois River.
 Sangamon River.
 Prairie Creek.
 Spring Creek.
 Sugar Creek.
 Exline Slough.
 Trim Creek.
Du Page River.
 Lilly Cache River.
 West Branch of Du Page River.
Jackson's Creek.
Des Plaines River.
 Calumet River.
 Little Calumet River.
 Salt Creek.
 Mill Creek.

TRIBUTARIES TO ROCK RIVER:

Mill Creek.
 Green River.
 Mineral Creek.
 Spring Creek.
 Mud Creek.
 Coal Creek.

Hickory Creek.
Willow Creek.
Rock Creek.
Little Creek.
Sugar Creek.
Spring Creek.
Elkhorn Creek.
Five-Mile Creek.
Three-Mile Creek.
Pine Creek.
Clear Creek.
Kite River.
Leaf River.
Kishwaukee River.
Piasa Creek.
Coon Creek.
Rush Creek.
North Branch of Kent's Creek.
Pecatonica River.
Rock Run.
Pillow Creek.
Sugar River.
Otter Creek

TRIBUTARY TO HENDERSON RIVER:

Cedar Creek.

TRIBUTARIES TO EDWARDS RIVER:

Camp Creek.
East Branch.
West Branch.

TRIBUTARY TO APPLE RIVER:

Irish Hollow Creek.

EXTRACTS FROM CORRESPONDENCE.

CARBONDALE, ILL., July 12, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—* * I put 29 Carp received of you in December, 1881, in a wire cage and placed same in the pond in 4½ feet of water.

In the spring of last year I took some out and their weight was from ¾ to 1 pound. Not long after they broke out and I have not caught any of them since. * * Not long since I saw late in the evening, feeding on some cabbage leaves I had thrown into the water, a fish 15 to 18 inches long, which I took to be a Carp, and they would, I think, weigh 3 pounds. * *

Respectfully, etc.,

D. H. BRUSH.

S. P. Bartlett, Esq.:

SPRINGFIELD, ILL., July 18, 1884.

DEAR SIR—In reply to your favor of the 15th, would state that the Carp you sent me are growing finely. We feed them bread scraps.

I should judge they are 12 to 15 inches long and seem to thrive. I never believed fish would grow so rapidly.

Yours, respectfully,

ISAAC R. DILLER.

SPARTA, ILL., July 13, 1884.

DEAR SIR—* * In regard to my fish—we have not seen any of them until this spring. Have been feeding them sheep oats, which seems to be the best feed we have given them. We caught one this spring 16 inches in length and weighed 2½ pounds.—think it was our put-in of '83 shipment.

Yours,
J. A. McKEE.

BUNKER HILL, ILL., July 19, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—* * Last year, in latter part of May, I secured a few Carp out of my pond. They were then 14 inches long and weighed 1½ pounds; also caught some in August of '83, and could see they were doing well. Was at pond again late in September and found a lot of young Carp.

Have not fed them yet but will do so if I find there are too many in the pond, until I can dig another pond—which I intend to do if they do as well here as they do in Germany, where I came from. * *

Yours, respectfully,
FRED BUMANN.

BEVERLY, ILL., June 2, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—Regarding fish received of you in the fall of 1881, will say they are doing finely.

I received both the Scale and Mirror Carp. The Scaled Carp have all disappeared except one. The Mirror Carp spawned at 2 years old and in the fall of '81 I seined out some fine specimens of young Carp. This spring I seined my pond again and found plenty of young Carp, and the old ones looking fine.

Last winter my pond was frozen over continuously for two months and not opened. * * Am well pleased with them and think they are a profitable fish for ponds, as they thrive well and are very prolific. One thing I am certain of, and that is that they spawned at 2 years old, for I received them very small in the fall of 1881, and in the fall of 1883 seined young Carp out of my pond.

Yours, very truly,
WM. W. ROBERTSON.

SKELTON, July 14, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—Yours of the 5th at hand. Of my Carp I cannot say much. Went into my pond with a seine this spring and took out four Carp—two large and two small ones. The large ones weighed nine and eleven pounds respectively. * * There is one female Carp in the pond that I have seen frequently, that will weigh, perhaps, twenty pounds.

Yours, respectfully,
JNO. SKELTON.

CARPENTER, ILL., July 28, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—* * The Carp you sent me last fall are now doing finely and will weigh from 1½ to 1¾ pounds. * * I received a few Carp from a friend in Missouri a year and a half ago and they will now weigh 4 to 5 pounds each. * *

Yours truly,
J. F. OPEL.

PAWNER, ILL., July 16, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—* * Was enabled through you last fall to put into my pond sixty German Carp, shortly after cold weather setting in. I did not see them until this spring (June 1) when I caught four of the little fellows at the edge of the pond, and they were quite perceptibly larger.

Saw one of them swimming in the water about a week ago and he seemed to be about 5 inches long. Am satisfied that they are doing well. * *

Very respectfully,
CHARLES KERR, M. D.

VIRIDEN, ILL., July 27, 1884.

S. P. Bartlett, Esq., Secretary:

DEAR SIR—Received from the United States Commission at Washington, in November, 1881, a consignment of German Carp, perhaps one inch in length.

They were put in a pond 3x150 feet, with an average depth of 3 feet, and first examined in May, 1883, when they measured 17 inches in length; and again in May, 1884, when they were 24 inches long with an average weight of 5 pounds.

They spawned the second year and again in the present year, the increase being very large, from which other ponds are being stocked. * *

Very truly yours,
C. G. RYAN.

LEMONT, ILL., July 10, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—I have seen two lots of young Carp from those sent me in 1881. Have not seen them for two months; think they are in the mud.

They have increased finely.

Yours respectfully,

S. W. NORTON.

ASHLEY, ILL., July 22, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—* * My Carp were about 2 inches long when received, November 1, 1883; they are now from 8 to 12 inches long, will eat scraps from the table, oats, corn or fresh meat of any kind, and are very gentle.

Make a noise at the pond where I feed them and they will come up like pigs to be fed. They are the nicest fish I ever saw. When they have been in the pond one year I would not take \$50 for them.

Yours respectfully,

WM. A. SMITH.

GREENFIELD, July 21, 1884.

Hon. S. P. Bartlett:

DEAR SIR—Yours of the 5th at hand; I think, from present condition of Carp received from you, they are doing well.

Hope to demonstrate the fact by another season by trying them.

Yours, etc.,

WM. H. ELLIS.

CATLIN, ILL., July 12, 1884.

S. P. Bartlett:

DEAR SIR—Your postal at hand; in answer would say that Carp received in December 1881, are at present 16 inches in length, and those received in March, 1883, are at present 10 to 12 inches in length. I was perfectly astonished at the growth from March until last fall—1½ inches in March to 10 inches in the fall. * * Have not taken any out of the pond, as I regard them as too precious to eat. I think some of them have spawned, as I saw some little fish about one-half inch long at the edge of the pond. * *

Yours respectfully,

G. W. F. CHURCH.

IONA, ILL., July 22, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—In reply to yours of the 5th inst.: in the winter of 1881 I received ten Carp and in 1883 twenty more, which I placed in my pond.

I see some of the fish every day and they appear to be about 18 or 20 inches long, and others about 5 or 6 inches long, which I suppose is some of their young. They seem to eat anything and are doing exceedingly well. * *

Yours, etc.,

CHARLES VENN.

MCLEANSBORO, ILL., July 23, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—* * * I put the fish I received about three years ago in my pond, and have not seen them but once since, and that about two months ago. * * They are from two to two and one-half feet long, and very handsome. * * Have seen no young Carp, but suppose they are in the pond. I like them better than any fish I know of. They have been no trouble whatever. I turned them loose in my pond, and they take care of themselves.

Yours, etc.,

S. W. HEARD.

MT. VERNON, ILL., July 23, 1884.

Mr. Bartlett:

DEAR SIR—* * * My fish are doing well. I caught two, and they weighed two pounds and three ounces. I feed them once a day, and can see them come up to get their feed.

Yours, etc.,

D. HENSHEY.

BUNKER HILL, ILL., July 21, 1884.

DEAR SIR—* * * I got a seine and made two drags in my pond. The first time I caught two Carp and the second time two. The largest one of the four was 24 inches long and weighed six pounds. The smallest one was 21 inches long and weighed five pounds. These must be some of the first lot I received of you two years ago next October. I also went to see Mr. Patrick seine his pond, Carp put in last fall. He caught nineteen Carp the first haul. They are a foot long, and growing finely. * * *

Yours truly,

R. K. BARNES.

O'FALLON, ILL., July 19, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—Have seen some of the Carp you sent me in the fall of '82. They are doing finely, and will weigh from eight to ten pounds. * * *

Yours truly,

JNO. BEHBENS.

FOOTLER, ILL., June 25, 1884.

S. P. Bartlett:

DEAR SIR—I received ten Mirror Carp from you Dec. 27, 1881, which were between 3 and 4 inches long, put them in my pond the same day, and did not see them until July, 1882, and from that until May, 1883, did not see them again. From that on through the summer and fall saw them frequently, and from their wake in the water judged them to be about one foot long, but in November I caught one that measured 24 inches long and 7 inches deep. They spawned for the first time in May. * * * My pond covers a little over $\frac{1}{2}$ of an acre, and has an average depth of 4 feet.

Yours truly,

WORTHY FROST.

PERCY, ILL., July 14, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—My fish are doing well. Think they are well adapted to our waters, and are a quick maturing fish, with little food.

Yours truly,

B. J. SHORT.

MARION, ILL., July 20, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—In regard to condition of my Carp, can say my pond is pretty well stocked. Have some Carp that are quite large, and will weigh 6 to 8 pounds. Many from last year's spawn that are good-sized, also many of this year's spawn that are 1 to 1 $\frac{1}{2}$ inches in length. I feed them almost every day on bread, so I can see all sizes eating it as it floats on the water. * * * Am well pleased with my success.

Yours truly,

A. W. JEFFRESS.

MONMOUTH, ILL., July 10, 1884.

S. P. Bartlett:

DEAR SIR—* * * Will say our Carp are growing very nicely. Some of them are quite tame, and although our pond is quite large and deep, a little food thrown in at any time will quickly bring the fish into view. They are now about 7 inches long.

Yours truly,

WEIR PLOW CO.

PRINCETON, ILL., July 26, 1884.

Hon. S. P. Bartlett:

DEAR SIR—Yours of the 5th, in regard to Carp, at hand. The first lot of Carp which were put into my pond in December, 1881, as minnows, now weigh from 5 to 7 pounds. As my pond overflowed and I thought first lot were gone, you sent me a second lot in April, 1882; these will now weigh from 2 to 3 pounds. * * * They are now fed since last May on boiled potatoes, bread and scraps from the table, and they come up like pigs for their feed.

Yours, truly,

O. G. CUSHING.

ST. JOHNS, ILL., July 26, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—* * The Carp received by me two years ago last December are all alive and doing finely. We ran a net through the pond a few days ago and found the original 15 and the pond full of young Carp. * *

Yours, truly,

M. C. WRIGHT.

ASHLEY, ILL., July 10, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—Yours of the 5th received and noted. We put our Carp, 20 in number, in a tank and sunk in the pond; during the cold weather we lost 16 of them, the remaining 4 we turned loose in the pond and they made a rapid growth—weighing, the second year, 6 and 7 pounds. * *

They will do exceedingly well here in our section and are just what we want. * * *

Truly yours,

COFFER & HARRISON.

BRADFORD, ILL., July 30, 1884.

S. P. Bartlett, Esq.:

DEAR SIR—Yours at hand. My Carp are all right and growing finely. They are now 12 to 15 inches in length. I did not feed any until I received your card. I now feed corn, wheat, potatoes, etc., and they jump around in the water like so many pigs. I am well pleased with the Carp.

Yours,

JOS. CAYWOOD.

GERMAN CARP DISTRIBUTED.

NAME.	County.	Residence.	Date of Shipmt.	No.	Area of Pond.	Depth.	Remarks, Township and Section.
Jno. Hug.....	Adams.	Quincy.....	Nov. 13	20	$\frac{1}{2}$ acre.	6 ft.	City of Quincy.....
Jo Hug.....	"	"	"	20	$\frac{1}{2}$ "	6 "	"
Q. Burgessor.....	"	Clayton.....	"	20	1 "	4 "	T. 2 Sec. 4, W.....
J. Q. Burgessor.....	"	"	"	20	1 "	5 "	T. 1, W. 6 W.....
Jas. Kirkpatrick.....	"	"	"	20	$\frac{1}{2}$ "	4 "	Clayton, Sec. 34.....
O. Wallace.....	"	"	"	20	$\frac{1}{2}$ "	4 "	"
J. S. Campbell.....	"	"	"	20	$\frac{1}{2}$ "	4 $\frac{1}{2}$ "	"
O. S. Curry.....	"	"	"	20	$\frac{1}{2}$ "	7 "	Sec. 31, T. Clayton.....
H. R. Mottor.....	"	"	"	20	$\frac{1}{2}$ "	5 "	9, " Concord.....
Jno. McCoy.....	"	"	"	20	$\frac{1}{2}$ "	5 "	84, " 1 W. 5 W.....
Geo. Campbell.....	"	"	"	20	$\frac{1}{2}$ "	4 "	84, " 1 W. 5 W.....
J. A. Bickell.....	"	"	"	20	"	"	"
J. M. Eull.....	"	Quincy.....	"	20	1 acre.	10 ft.	"
Wm. Mitchell.....	"	Powder.....	"	20	$\frac{1}{2}$ "	4 "	"
Henry Whitmore.....	"	Quincy.....	"	20	"	"	"
Henry Whitmore.....	"	"	"	20	"	"	"
Henry Whitmore.....	"	"	"	20	"	"	"
B. Brooks.....	"	Camp Point.....	"	20	2 acres.	5 ft.	Sec. 1, T. Camp Point.....
Wilks Crippin.....	"	"	"	20	$\frac{1}{2}$ "	4 "	"
S. L. Crippin.....	"	"	"	20	$\frac{1}{2}$ "	4 "	"
E. M. Wheeler.....	"	Newtown.....	"	20	1 "	5 "	Burton.....
Ira Coe.....	"	Quincy.....	"	20	$\frac{1}{2}$ "	6 "	Meirose.....
I. B. White.....	"	"	"	20	$\frac{1}{2}$ "	5 "	"
Wm. Bingert.....	"	"	"	20	$\frac{1}{2}$ "	4 "	Ursa.....
Jno. Sykes.....	"	Beverly.....	"	20	$\frac{1}{2}$ "	4 "	Meirose.....
Jas. Sykes.....	"	"	"	20	$\frac{1}{2}$ "	9 "	"
M. Huffman.....	"	"	"	20	$\frac{1}{2}$ "	7 "	"
Oris Booth.....	"	Camp Point.....	"	20	$\frac{1}{2}$ "	5 "	Beverly.....
S. W. Hall.....	"	"	"	20	$\frac{1}{2}$ "	3 "	Camp Point.....
R. Strawbridge.....	"	Columbus.....	"	20	2 "	1 $\frac{1}{2}$ "	"
Yank Kramer.....	"	Quincy.....	"	20	$\frac{1}{2}$ "	4 "	Gilmer.....
Henry R. H.....	"	"	"	20	$\frac{1}{2}$ "	4 "	"
A. E. Huff.....	"	"	"	20	$\frac{1}{2}$ "	4 "	"
Capt. Huff.....	"	"	"	20	$\frac{1}{2}$ "	4 "	"
D. W. Orr.....	"	Payson.....	"	20	$\frac{1}{2}$ "	8 "	"
W. A. Wallace.....	"	Camp Point.....	"	20	1 $\frac{1}{2}$ "	10 "	Sec. 30, T. 18, 7 W.....
Wm. Booth.....	"	"	"	20	$\frac{1}{2}$ "	8 "	31, " 3 S. 7 W.....
D. C. Lewis.....	"	Clayton.....	"	20	$\frac{1}{2}$ "	6 "	"
H. M. Lewis.....	"	"	"	20	$\frac{1}{2}$ "	4 "	"

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.	Area of Pond.	Depth.	Remarks. Township and Section.
W. T. Yeargin.....	Adams.....	Quincy.....	Nov., 17	20	1/2 acre.	4 1/2 ft.	Sec. 32, Tp. Gilmer.....
J. F. Hughes.....	"	Adams.....	"	20	1/2 "	4 "	Tp. Burton.....
P. E. Thompson.....	"	Payson.....	"	20	1/2 "	3 1/2 "	Sec. 1, Tp. Payson.....
Dr. Ritter.....	"	Quincy.....	"	20	1/2 "	6 "	"
Jno. B. Schott.....	"	"	"	20	1/2 acre.	4 "	"
D. Natus.....	"	Liberty.....	"	20	1 "	6 "	Sec. 28, Tp. Liberty.....
E. Pinco, Quincy Water Works.....	"	Quincy.....	"	100	1 acre.	5 ft.	For reservoir.....
M. Natus.....	"	Liberty.....	"	20	1/2 "	6 "	Sec. 28, Tp. Liberty.....
O. H. Bennett.....	"	Clayton.....	"	20	1/2 "	4 "	Tp. 18, 5 W.....
P. H. Davis.....	"	Lima.....	"	20	1/2 "	8 "	"
P. H. Davis.....	"	Lima.....	"	20	1/2 "	8 "	Tp. Lima.....
Geo. Ramsey.....	"	Rowles.....	"	20	1/2 "	5 "	Tp. Fall Creek.....
J. O. Lytle.....	"	Liberty.....	"	20	1/2 "	5 "	Tp. 28, 7 W.....
Irvin Black.....	"	Liberty.....	"	20	1/2 "	5 "	"
S. W. Black.....	"	Clayton.....	Dec., 1	20	1 "	7 "	"
C. W. Dean.....	"	"	"	20	1 "	7 "	"
Dr. Koch.....	"	Adams.....	"	20	1/2 "	3 "	Tp. Burton.....
Jno. Ferguson.....	"	Quincy.....	"	20	1/2 acre.	6 ft.	Sec. 32, Tp. Burton.....
Jas. Cabbage.....	"	Burton.....	"	20	1/2 "	5 "	Sec. 28, Tp. Keene.....
G. A. Yenter.....	"	Loraine.....	"	20	1/2 "	8 "	"
Cris Seals.....	"	"	"	20	1/2 "	6 "	"
C. H. Seals.....	"	"	"	20	1/2 "	6 "	"
M. M. Seals.....	"	"	"	20	1/2 "	5 "	"
E. Bowles.....	"	"	"	20	1/2 "	6 "	"
T. Bowles.....	"	"	"	20	1/2 "	6 "	Sec. 28, " "
J. D. Tuken.....	"	Coatsburg.....	"	20	1/2 "	8 "	" 5, Tp. Columbus
J. T. Barber & Co.....	"	Quincy.....	"	20	1/2 "	3 ft.	"
Jas. Jacobs.....	"	"	"	20	1/2 acre	3 "	"
St. Winkles.....	"	"	"	20	1/2 "	3 "	"
R. P. Meek.....	Woodford.....	Eureka.....	"	20	1/2 "	4 "	Sec. 26, Tp. Conger.....
Jno. Darst.....	Montgomery.....	Hillsfield.....	Nov., 13	20	1/2 "	3 "	" 7, Tp. 28
E. Bockmuehl.....	"	Litchfield.....	"	20	1/2 "	"	"
C. W. Seymour.....	"	Hillsboro.....	"	20	1/2 "	"	"
W. H. Brewer.....	"	"	"	20	2 acre	4 ft.	Sec. 34, Tp. 9.....
Glenn Bros.....	"	"	"	40	2 "	7 "	"
J. Cress.....	"	"	"	20	1/2 "	4 "	Sec. 23, Tp. 9.....
J. M. Truett.....	"	"	"	20	1/2 "	5 "	"
Solomon Harkey.....	"	"	"	18	1/2 "	6 "	"
T. B. Judson.....	"	"	"	20	1/2 "	3 "	"
A. B. Wenter.....	"	Litchfield.....	"	20	1/2 "	3 "	Secs. 11 and 15, Tp. 28, 10 E.....
W. B. Tube.....	Knos.....	Abingdon.....	Nov., 13	20	1/2 "	3 "	Sec. 35, Tp. Cedar.....
A. M. Ryder.....	"	"	"	20	1/2 "	3 "	Knosville Seminary.....
C. W. Lettingwell.....	"	Knosville.....	"	20	1/2 "	3 "	"

I. O. Meadows.....	"	Abingdon.....	21	30	14	3	"	Sec. 6, Tp. 9 W. 1 E.	.....
L. Bloomfield.....	"	Ro.....	22	30	2	3	ft.	Sec. 31, Tp. 15	.....
W. H. Henton.....	Dec.	Viola.....	17	30	14	3	ft.	Sec. 23, Tp. 13 N. 5 W.	.....
T. D. Heston.....	Nov.	Kelthburg.....	23	30	14	3	"	" 9, Tp. 14	.....
T. D. Merryman.....	"	New Windsor.....	11	30	9	20	"	Tp. 2, Tp. 2 N. 7 W.	.....
J. O. Duncann.....	"	O'Fallon.....	13	30	14	3	ft.	Sec. 24, Tp. 2 N. 7 W.	.....
J. O. D. Bates.....	"	"	14	30	14	3	ft.	Sec. 14, Tp. 2	.....
Ell Buckley.....	"	Centerville.....	13	30	14	3	ft.	Sec. 14, Tp. 2	.....
J. P. Blair.....	"	Perry.....	14	30	14	3	ft.	Sec. 14, Tp. 2	.....
R. J. Kellor.....	"	Steeleville.....	16	30	14	3	ft.	Sec. 14, Tp. 2	.....
D. Seale.....	"	"	18	30	14	3	ft.	Sec. 14, Tp. 2	.....
Wm. Werre.....	"	Wine Hill.....	21	30	14	3	ft.	Sec. 25 and 26, Tp. 6	.....
M. Miller.....	"	Perry.....	21	30	14	3	ft.	Sec. 4, Tp. 7	.....
R. J. Short.....	Dec.	"	27	30	2	4	"	Sec. 14, Tp. 8 S. 5 W.	.....
J. Hawten.....	"	"	12	30	14	3	ft.	Sec. 11, Tp. 6	.....
J. McKee.....	"	Sparta.....	13	30	2	4	"	Sec. 13, Tp. 6	.....
D. E. Detrich.....	"	"	15	30	2	4	"	Sec. 12, Tp. 6	.....
Capt. J. S. Burke.....	Nov.	Brighton.....	13	30	2	4	"	Sec. 12, Tp. 6	.....
Mrs. Lucy V. Ames.....	"	Jersey Landing.....	15	30	1	20	"	Near Eliza	.....
W. H. Yates.....	"	Griggsville.....	13	30	1	20	"	Sec. 6, Tp. 4 S. 3 W.	.....
T. W. Parker.....	"	"	15	30	1	20	"	Sec. 6, Tp. 4 S. 3 W.	.....
J. H. Crane.....	"	Pittsfield.....	18	30	1	20	"	Sec. 12, Tp. Griggsville	.....
J. C. Hillier.....	"	Macomb.....	13	30	14	3	ft.	"	.....
Ell Brown.....	"	Bushnell.....	14	30	14	3	"	Tp. Bushnell	.....
Perry McDonald.....	"	Adair.....	16	30	14	3	"	Sec. 11, Tp. New Salem	.....
August Selbold.....	"	Peoria.....	13	30	14	3	"	City of Peoria	.....
C. E. Adams.....	"	"	14	30	1	20	"	"	.....
B. L. T. Bourland.....	"	"	17	30	14	3	"	"	.....
C. L. Cromwell.....	"	"	21	30	2	4	ft.	Tp. 8 N. 8 E.	.....
A. J. Welch.....	"	"	18	30	14	3	"	Sec. 21, Tp. 9	.....
J. W. Fulton.....	"	Mt. Sterling.....	13	30	14	3	ft.	Sec. 16, Tp. Lee	.....
S. W. Jennings.....	"	Mound Station.....	23	30	14	3	"	Sec. 16, Tp. Lee	.....
S. W. Robleson.....	"	"	13	30	14	3	"	" 19, " Swan	.....
J. S. Ratkin.....	"	Swan Creek.....	13	30	14	3	"	" 19, " Swan	.....
J. D. Beatty.....	"	New Berlin.....	13	30	14	3	"	" 19, " Swan	.....
Chas. Venn.....	"	Alexia.....	13	30	14	3	"	Sec. 4, Tp. Kelley	.....
H. S. Baker.....	"	Topica.....	13	30	14	3	"	Sec. 4, Tp. Kelley	.....
J. F. Parker.....	"	W. St. Sumner.....	13	30	14	3	"	" 19, " Summer	.....
H. Foster.....	"	Beardstown.....	13	30	14	3	"	" 19, " Summer	.....
A. Foster.....	"	"	13	30	14	3	"	" 19, " Summer	.....
Wash. Groff.....	"	Ashtand.....	13	30	14	3	"	" 19, " Summer	.....
B. C. Smith.....	Dec.	St. Elmo.....	13	30	14	3	ft.	Sec. 27, Tp. Erens	.....
T. A. Tribble.....	Nov.	Mason City.....	13	30	14	3	"	Sec. 27, Tp. Erens	.....
O. Wilhelm.....	"	Stephenson.....	13	30	14	3	"	Sec. 27, Tp. Erens	.....
G. W. Mitchell.....	"	Florence Station.....	13	30	14	3	"	Sec. 27, Tp. Erens	.....
R. S. Hodgen.....	"	Charleston.....	13	30	14	3	"	Sec. 27, Tp. Erens	.....
Hunt Bros.....	"	Greenwood.....	13	30	14	3	"	Sec. 27, Tp. Erens	.....
J. H. Latimer.....	"	Huntley Hill.....	13	30	14	3	"	Sec. 27, Tp. Erens	.....
R. K. Barnes.....	"	Bunker Hill.....	13	30	14	3	"	Sec. 27, Tp. Erens	.....
Fred. Burman.....	"	"	14	30	1	20	"	Sec. 27, Tp. Erens	.....

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.	Area of Pond.	Depth.	Remarks, Township and Section.
B. K. Barnes, for son.	Macoupin	Bunker Hill	Nov. 18	29	1/2 acre	5 ft.	Sec. 22, Tp. 7
Ferd. Brother.	"	Carlinville.	" 28	30	2	4	" 26, " 8
J. T. Sargent.	"	Virdeu	Dec. 30	30	2	2 1/2	" 16, " 10
Balfour Corwin.	"	Carlinville.	" 31	31	2	4	" 21, " 12
W. G. Dalaschmitt.	Clark	Martinsville.	Nov. 13	29	1/2	4	" 6, " 10
J. A. Noyes.	Union	Anna	" 14	29	1	10	For Fair Grounds
C. E. Kirkpatrick.	"	Springfield.	" 13	30	1	10	City of Springfield
S. Mendenhall.	Sangamon	"	" 14	30	2	4	Sec. 16, Tp. 16
Leo Hickox.	"	"	" 21	30	2	4	" 16, " 16
J. E. Lasseil.	"	"	" 22	30	2	4	" 16, " 16
J. M. Strimler.	"	"	" 23	30	2	4	" 16, " 16
B. Hickox.	"	"	Dec. 30	30	1 1/4 acre	4 ft.	Sec. 26, Tp. 17
Lehard & Wiggins.	"	Pleasant Plains.	"	30	1 1/2	3	Sec. 18, Tp. 8
W. H. Conwell.	"	Ridgeway.	Nov. 14	29	1	5	ft.
Edward Timlin.	Gallatin	Montrose.	"	29	1	5	acre
Isaac Smith.	Effingham	Beloit.	"	29	1	5	acre
G. M. Thomas.	Wineburg	Urbana.	"	29	1	5	acre
L. M. Colt.	Carroll	Rochelle.	"	29	1	5	acre
S. J. Bussy.	Ogle.	Wilmington.	Dec. 30	29	1	5	acre
S. W. Solenberg.	Will.	Jacksonville.	Nov. 14	29	1	5	acre
P. N. Knapp.	"	"	" 16	29	1	5	acre
P. M. Doan.	"	"	" 21	29	1	5	acre
Jno. Gordon.	"	"	" 24	29	1	5	acre
W. D. Sanders.	"	"	" 24	29	1	5	acre
H. L. Doane.	"	"	" 24	29	1	5	acre
B. Davenport.	"	"	" 24	29	1	5	acre
S. W. Fleaton.	"	"	" 24	29	1	5	acre
Edgar Gordon.	"	"	" 24	29	1	5	acre
Geo. T. Hamilton.	"	"	" 24	29	1	5	acre
B. F. Beasley.	"	"	" 24	29	1	5	acre
Jno. Robertson.	"	"	" 24	29	1	5	acre
J. W. Boston.	"	"	" 24	29	1	5	acre
J. J. Ketcham.	"	"	" 24	29	1	5	acre
J. D. Batty.	"	"	" 24	29	1	5	acre
Geo. Hunsaker.	Hancock	Waverly.	Nov. 14	29	1	5	acre
J. R. Hudson.	"	Carthage.	" 22	29	1	5	acre
S. Dickinson.	"	Lorraine.	" 27	29	1	5	acre
J. P. Walker.	"	Bentley.	" 29	29	1	5	acre
J. D. Stevens.	"	Warsaw.	" 30	29	1	5	acre
D. H. Cox.	"	"	" 30	29	1	5	acre
Sam Scott.	"	"	" 30	29	1	5	acre

C. S. Walker	Greene	Caribage	Nov.	20	1 1/4	8	14	4
David Wright	"	Caribage	Nov.	20	8	4	Sec. 15, Tp. 10	
A. J. Tunnell	"	Whitehall	Dec.	20	1	5	For C. B. & Q. Ry.	
T. P. Hafferty	Macon	Peacut	Nov.	20	1	5	Sec. 17, Tp. 10	
J. I. Haworth	"	Forsythe	"	20	1 1/4	3	Sec. 33, Mason	
R. W. Weaver	Madison	Alton	"	20	1	5	Sec. 16, Tp. 8	
Max Kuhl	"	St. Jacobs	"	20	1	6	Sec. 16, Tp. 8	
Conrad Meyer	"	Alton	Dec.	20	1	3	"	
Conrad Meyer	"	"	"	20	1	8	"	
Edw. Wyman	"	"	"	20	1 1/2	4	"	
J. Tremmel	"	"	"	20	1 1/2	4	"	
August Belser	"	"	"	20	15	15	Sec. 11 & 14, Tp. 4 & 8	
Wolf Bros.	"	Edwardsville	"	20	15	8	Sec. 22, 2 R. 2 W.	
S. A. Hogue	Clinton	Collins Station	Nov.	20	1/4	4	Sec. 12, Tp. 15 N. R. 2 E.	
Henry Shurman	"	Breese	Dec.	20	1 1/2	6	Sec. 33, Tp. 19	
C. W. Davenport	Henry	Cambridge	Nov.	20	5	10	"	
Y. C. Hart	Platt	Monticello	"	20	15	6	Sec. 35, Tp. 25	
Wm. Davies	Saline	Friendville	"	20	15	6	"	
Thos. Cooper	Tazewell	Pekin	"	20	2	5	"	
J. B. Irwin	Fulton	Woodstock	"	20	2	5	"	
Emil Arnold	Marion	Centralia	"	20	2 1/2	7	"	
Jno. Betz	"	"	"	20	1	5	Tp. Carmi	
Geo. Heppert	White	Carmi	"	20	1	8	Sec. 14, Tp. Mt. Pulaski	
D. Vanhise	Logan	Mt. Pulaski	"	20	1 1/2	5	"	
W. H. Mann & Co.	Iroquois	Gilman	"	20	1 1/2	3	"	
S. Dill	Champaign	Harwood	"	20	1 1/2	3	"	
C. Brown	"	"	"	20	25	3 1/2	Sec. 9, Tp. 15	
Jas. H. man	Edgar	Walnut Grove	Dec.	20	5	30	Tp. Lake View	
D. D. Huston, Jr.	"	Paris	"	20	5	4	"	
Magnius & Boyle	Cook	Chicago	"	20	1 1/2	4	Sec. 12, Tp. 19	
A. W. Walker	Jasper	Newton	"	20	1 1/2	6	"	
Geo. Harsock	DeWitt	Clinton	"	20	1	6	"	
A. M. Sealey	Warren	Centralia	"	20	1	6	Sec. 8, Tp. 10	
W. W. Barr	Jackson	Carbondale	"	20	1	6	"	
Griff Frost	"	Edina	Nov.	20	1	6	"	
W. H. Thomas	"	Ladrange	"	20	1	6	"	
J. H. Shores	"	Grand Haven	"	20	1	6	"	
W. R. Woodard	H. & St. Jo Ry.	"	"	20	1	6	"	
W. R. Woodard	"	Palmyra	"	20	1	6	"	
W. R. Woodard	"	Netleton	"	20	1	6	"	
W. R. Woodard	"	Cameron Junction	"	20	1	6	"	

Garp Distribution for November and December.

NAME.	County.	Postoffice Address or Residence.	Date of Shipm't.	No.
Askew, Isaac	Pike	Baylias	Nov. 16	20
Adams, E. H.	Peoria	Elmwood	" 21	20
Arnold, J. F.	Adams	Quincy	" 15	20
Archer, John Q.	Fremont	Shenandoah	" 14	20
Atkins, John H.	Cook	Arlington Heights	Dec. 1	20
Allen, Charles J.	Cumberland	Haydelld.	Nov. 29	20
Brook, F. P.	Jefferson	Watertown	" 13	20
Bush, J. M.	Pike	Pittsfield	"	20
Bridgell, T.			"	20
Bowers, M. E.	Peoria	Elmwood	" 14	20
Bradshaw, Charles	Warren	Kirkwood	" 15	20
Beckett, J. A.	Adams	Clayton	"	20
Black, Ionn.	"	"	"	20
Black, W. L.	"	"	"	20
Black, J. M.	"	"	"	20
Black, H.	"	"	" 16	20
Black, J. N.	"	"	"	20
Bryant, B. W.	"	"	"	20
Brook, F. P.	Jefferson	Watertown	"	20
Borop, Niles.	Bureau	Bureau	" 17	20
Baker, C. E.	Cook	Chicago	"	20
Buck, J. J.	Hamilton	McLeansboro	"	20
Biggs, Jno.	Cass	Ashland	" 19	20
Brooks, Jno.	Clark	Casey	"	20
Blackaby, J.	Fulton	Civer	"	20
Blair, A.	Henry	Geneseo	"	20
Bowers, H. G.	Peoria	Elmwood	"	20
Bacon, B. B.	Platt	Bement	"	20
Burgess, C. M.	"	"	"	20
Booth, W. A.	Adams	Camp Point	" 20	20
Booth, C. L.	"	"	"	20
Barter, E. A.	Sangamon	Pawnee	"	20
Barrett, W. E.	Jasper	Wheeler	" 21	20
Burt, E. E.	Peoria	Elmwood	"	20
Bowers, C. L.	"	"	"	20
Bates, O. C.	St. Clair	Oak Hill	" 22	20
Bauer, Chas.	Macoupin	Bunker Hill	"	20
Bauer, Theo.	"	"	"	20
Behrens, J. O.	St. Clair	Oak Hill	"	20
Bucks, J.	Jersey	Brighton	" 23	20
Bowher, Wm.	Macoupin	Medora	"	20
Bonoediet, P. A.	Kankakee	Belle Park	" 24	20
Baldwin, G. H.	Adams	Mendon	" 25	20
Baldwin, H. W.	"	"	"	20
Buckner, J.	Cumberland	Neoga	" 27	20
Beers, T. W.	Henderson	Kirkwood	"	20
Butter, N. K.	Hancock	West Point	"	20
Bourbough, E. J.	"	Elvaston	" 29	20
Barrow, Jno.	Pike	Price	Dec. 6	20
Crane, J. H.	Pike	Pittsfield	Nov. 15	20
Coe, Ira.	Adams	Quincy	" 13	20
Coe, Ira.	"	"	"	20
Coquillette, W. E.	Hancock	La Harpe	" 14	20
Cunningham, J. A.	Cass	Virginia	" 15	20
Chapin, N. A.	Warren	Kirkwood	" 16	20
Chandler, J. E.	Pike	Milton	" 17	20
Gaywood, Jos.	Bureau	Milo	"	20
Cooper, Thos.	Lazewell	Pekin	"	20
Cooper, Thos.	"	"	"	20
Craig, W. T.	Adams	Clayton	" 20	20
Clark, W. M.	Morgan	Ashland	" 23	20
Clark, L. B.	Hancock	Elvaston	" 25	20
Carrillon, Chas.	Bond	Pleasant Mountain	"	20
Chambers, J. J.	Shelby	Richland	Dec. 3	20
Diller, Isaac R.	Sangamon	Springfield	Nov. 14	20
Duncan, J. R.	Moultrie	Sullivan	"	20
Dorsey, T. B.	Madison	Dorsey	"	20
Dunn, J. H.	Linn	Meadville, Mo	" 19	20
Dorsey, W. B.	Madison	Dorsey	" 23	20
Day, Wm. H.	Champaign	Condit	" 27	20
Debolt, Cyrus	LaSalle	Ottawa	" 28	20
Daly, C. C.	Jersey	Dehl.	"	20
Daly, Chas.	"	"	"	20

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.
Eells, R.	Hancock	Bowensburg	Nov. 14	20
Eisenmayer, A. J.	Clinton	Trenton	" 15	20
Eldredge, Thos.	Jersey	Brighton	" 19	20
Ellis, Wm. H.	Greene	Greenfield	" 20	20
Emmings, H. H.	Adams	Clayton	" 27	20
Fuller, Clinton	Stark	Elmira	" 14	20
Fuller, Walter	"	"	" 20	20
Fuller, Laton	"	"	" 20	20
Fleischbein, C. P.	St. Clair	Belleville	" 15	20
Fishey, J. G.	Hancock	LaHarpe	" 20	20
Freeman, J. E.	Jasper	Newton	" 20	20
Furst, Oscar	Peoria	Peoria	" 16	20
Forster, Peter	Randolph	Moberly	" 20	20
Gay, E.	Pike	Pittsfield	" 13	20
Grigg, George	Mason	Manito	" 14	20
Grafe, Harmon	Marion	Centralia	" 15	20
Gilbert, T. L.	Knox	Knoxville	" 19	20
Green, John	Henderson	Kirkwood	" 20	20
Grimshaw, Owen	Washington	Ashley	" 20	20
Groff, Wash	Morgan	Ashland	" 20	20
Glutz, Adam	St. Clair	Belleville	" 22	20
Guss, Benjamin	Pike	Barry	" 28	20
Hawthorne, G. E.	Kane	Dumser	" 12	20
Henry, A. C.	LaSalle	Mendota	" 14	20
Hynes, Gordon & Co	Livingston	Ocoya	" 14	20
Hogdous, Rev P.	Effingham	Teutopolis	" 20	20
Hathaway, George	Peoria	Elmwood	" 20	20
Hughes, L.	Adams	Burton	" 15	20
Heligenstein, L.	St. Clair	Mascoutah	" 20	20
Hollister, H. A.	"	Muscatine	" 20	20
Harris, John B.	Jasper	Newton	" 20	20
Heath, W. L.	"	"	" 20	20
Houlten, E. R.	Warren	Kirkwood	" 20	20
Hartmann, B.	St. Clair	Belleville	" 20	20
Hodmer, D.	Clinton	Carlyle	" 16	20
Henderson, W. J.	Vermilion	Ropeville	" 20	20
Henderson, Edwin	Macoupin	Barr's Store	" 20	20
Harris, W. H.	Tazewell	Tremont	" 17	20
Hultur, John	Bureau	Princeton	" 20	20
Heimrich, George	St. Clair	Belleville	" 20	20
Hickox, Lee	Sangamon	Springfield	" 20	20
Howell, I. J.	Schuyler	"	" 20	20
Hersbmann, Charles	Sangamon	Loami	" 20	20
Hedgecock, Jo-hem	Schuyler	Plymouth	" 20	20
Heligenstein, Leonard	St. Clair	Mascoutah	" 19	20
Hughes, J. T.	Adams	"	" 20	20
Holdemann, W. F.	"	Fall Creek	" 20	20
Howell, I. J.	Henry	Woodhull	" 20	20
Hine, Adam	Lee	Jackson	" 20	20
Hinckley, T. D.	Washington	Hoyleton	" 20	20
Heppert, George	Marion	Centralia	" 20	20
Henry, T. N.	Shelby	Windsor	" 21	20
Hughes, C. L.	Pike	New Canton	" 21	20
Huffman, John	Coles	Charleston	" 30	20
Hodgen, R. S.	"	"	" 20	20
Ingram, Gene	Hancock	LaHarpe	" 27	20
Johnson, L.	Henderson	Galesburg	" 17	20
Jessup, J. L.	Jasper	West Liberty	" 19	20
Johnson, J. S.	Adams	Camp Point	" 20	20
Johnson, Elisha	Fulton	Canton	" 30	20
Kenady, L. H.	Pike	Hulls	" 13	20
Kemp, L. D.	Peoria	Elmwood	" 14	20
Know, Henry	Case	Mt. Etna	" 20	20
Kimble, William	Adams	Fall Creek	" 20	20
Kelley, J. C.	Clark	Casey	" 20	20
Kasirup, F. W.	Washington	Venedy	" 20	20
Kemp, Everett	Peoria	Elmwood	" 20	20
Kenneth, D. K.	Warren	Kirkwood	" 15	20
Kirkwood Min. Spring Co	"	"	" 20	20
Kenetz L. J.	St. Clair	Belleville	" 20	20
Kerr, M.	Sangamon	Pawnee	" 20	20

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.
Kelly, William	Vermillion	Danville	Nov. 24	20
Kinnidy, David	Cumberland	Neoga	27	20
Kinney, John T.				20
Kerr, A.	Sangamon	Pawnee	Dec. 1	20
King, W. H. H.	Morgan		3	20
Lovelady, T. A.	Perry	Tamaroa	Nov. 14	20
Lawless, O. P.	Adams	Columbus	15	20
Lawless, T. T.				20
Lewis, Perry	Lawrence	Bridgeport		20
Lambert, Hardin	Jasper	Wheeler	16	20
Little, David	Mercer	Preemption		20
Lummis, B. B.	Adams	Quincy	19	20
Lummis, L. L.				20
Lawton, John	Whiteside	Morrison	20	20
Lemley, George W.	Adams	Quincy		20
Loebbridge, J. R.	Sangamon	Pawnee		20
Lee, L. L.	Cass	Bluff Springs	21	20
Laughlin, Jos.	Washington	Addleville	24	20
Mitchell, H. M.	Adams	Chilola	13	20
McCann, S. E.		Fall Creek	14	20
Morreil, S. H.	Moultrie	Sullivan		20
Marko, F.	Macoupin	Palmyra		20
Mattson, E.	Cumberland	Greenup	15	20
McCorry, John	Pike	Pittsfield		20
Monahan, G.	Cumberland	Greenup		20
Miller, A.	Brown	Mound Station	16	20
Moore, F. P.	Adams	Quincy	19	20
Mermeyer, J. A. M.				20
Miller, T. L.	Will	Beecher		20
Mullen, D. H.	Peoria	Peoria		20
McKee, J. H.	Randolph	Sparta		20
Morris, David	Macoupin	Bunker Hill	20	20
McClure, J. W.	Sangamon	Pawnee		20
Montgomery, G. A.	Moultrie	Sullivan	22	20
Meyer, Mary E.	Washington	Addleville	Nov. 24	20
Murphy, Wm. K.	Perry	Pineckeyville		20
Meyer, James E.	Washington	Addleville		20
Meyer, John				20
Mitchell, M.	Vermillion	Danville		20
Mathews, H. C.	Pike	Rockport	27	20
Moor, Robert	Henderson	Oquawka	28	20
Mason, Phil	Jasper	Wheeler		20
Murray, A. D.	Cook	Arlington Heights	Dec. 2	20
Noble, U. A.	Shelby	Windsor	Nov. 14	20
Norton, S. W.	Cook	Lemont	16	20
Nelson, F. E.	Knox	Galesburg	17	20
Nelson, Peter J.				20
Nacher, Ed.	Madison	Edwardsville	19	20
Olmstead, M. M.	Macoupin	Shipman	14	20
Ogle, David	St. Clair	Birkner	19	20
Olmstead, C. M.	Macoupin	Shipman		20
Owen, A. L.	Fulton	Cuba		20
Omer, Daniel	Adams	Camp Point		20
Opel, J. F.	Madison	Carpenter	20	20
Opel, O.			28	20
Orendorf, D. W.	Tazewell	Hopedale	29	20
Price, J. S.	Adams	Burton	15	20
Park, Harlow	Cumberland	Greenup		20
Powell, H. K.	Adams	Quincy		20
Pape, P. J.	Franklin	Benton	16	20
Pearson, G. C.	Vermillion	Danville		20
Patrick, John	Macoupin	Bunker Hill	19	20
Plagge, H. F.	Lake	Northfield		20
Pierce, J. F.	Mason	Topeka	20	20
Perry, Wm.	Pike	Milton		20
Peak, S. W.	Scott	Winchester		20
Perry, G. H.	Jefferson	Watkinson	23	20
Pierce, Jno. O.	Macoupin	Bunker Hill	28	20
Richard, P. M.	Effingham	Teutopolis	14	20
Ruff, Henry	Adams	Quincy	15	20
Ruff, A. E.				20
Ruff, Casper				20

Carp Distribution—Continued.

NAME.	County.	Residence,	Date of Shipment.	No.
Royer, Peter.....	Schuyler.....	Baders.....	Nov. 20	20
Raikin, Jos.....	Warren.....	Swan Creek.....	.. 20	20
Rice, T. J.....	Perry.....	Tamaroa.....	.. 19	20
Robbins, Dan'l.....	Adams.....	Payson.....	.. 27	20
Robbins, D. (for neighbor)	.....	.....	.. 20	20
Race, C. F.....	Cook.....	Chicago.....	.. 20	20
Strickle, A. B.....	McDonough.....	Macomb.....	.. 13	20
Shinn, M. J.....	Pike.....	Atlas.....	.. 20	20
Shinn, M.....	.....	Pittsfield.....	.. 20	20
Shinn, Wm.....	.....	.....	.. 20	20
Shinn, A.....	.....	Atlas.....	.. 20	20
Slack, A.....	Adams.....	Liberty.....	.. 15	20
Seamus, J. W.....	Cumberland.....	Toledo.....	.. 20	20
Schmalhausen, L. B.....	Lawrence.....	Bridgeport.....	.. 20	20
Schmalhausen, E.....	.....	.....	.. 20	20
Seibold, F.....	Marshall.....	Spartanburg.....	.. 20	20
Stanbury, Sam'l.....	Vermillion.....	Danville.....	.. 20	20
Shinn, Wm. D.....	Pike.....	Pittsfield.....	.. 20	20
Simonds, W. B.....	Iroquois.....	Iroquois.....	.. 16	20
Serandett, C. S.....	Greene.....	Rockbridge.....	.. 20	20
Sanford, Wash.....	Clark.....	Casey.....	.. 20	20
Stolberg, J. M.....	St. Clair.....	Belleville.....	.. 20	20
Savage, Jno.....	Hamilton.....	McLeansboro.....	.. 17	20
Shulze, H. & Bro.....	Washington.....	Okawville.....	.. 20	20
Shulz Mill Co.....	.....	.....	.. 20	20
Shulze, C. L.....	.....	.....	.. 20	20
Shulze, George.....	.....	.....	.. 20	20
Schmidt, Wm.....	Adams.....	Ellington.....	.. 19	20
Smith, Tom.....	Will.....	Beecher.....	.. 20	20
Smithermann, L. F.....	Pike.....	Milton.....	.. 20	20
Smith, C. L.....	Champaign.....	Champaign.....	.. 20	20
Stoker, E. S.....	Marion.....	Centerville.....	.. 20	20
Spiers, Hugh.....	Macoupin.....	Bunker Hill.....	.. 20	20
Schaffer, P.....	St. Clair.....	Belleville.....	.. 22	20
Sehick, D. L.....	Lawrence.....	Sumner.....	.. 20	20
Swartz, M.....	Champaign.....	Urbana.....	.. 23	20
Sullivan, Jno. H.....	Vermillion.....	Danville.....	.. 24	20
Snodgrass, A.....	McDonough.....	Bushnell.....	.. 26	20
Sonny, Chas.....	Shelby.....	St. Clair.....	.. 27	20
Smith, Vincent.....	Macoupin.....	Bunker Hill.....	.. 28	20
Shaw, Geo. W.....	Pike.....	Barry.....	.. 28	20
Smith, J. A.....	McDonough.....	Sciota.....	.. 29	20
Smith, F.....	Perry.....	Pinckneyville.....	.. 30	20
Seibert, Jno.....	Washington.....	Okawville.....	.. 30	20
Shulze, Aug.....	.....	.....	.. 20	20
Shulze, Hy.....	.....	.....	.. 20	20
Smith, Wm.....	.....	Ashley.....	Dec. 1	20
Sargent, C. M.....	Shelby.....	Windsor.....	.. 20	20
Sargent, W. R.....	.....	.....	.. 20	20
Sargent, C. V.....	.....	.....	.. 3	20
Tull, E. D.....	Shelby.....	Okaw.....	Nov. 13	20
Twiggs, S. B.....	Peoria.....	Elmwood.....	.. 14	20
Trainor, Wm.....	Adams.....	Quincy.....	.. 15	20
Thayer, J. A.....	Knox.....	Woodhull.....	.. 20	20
Thompson, R. H.....	Will.....	Beecher.....	.. 19	20
Thompson, J. C.....	Adams.....	Quincy.....	.. 20	20
Tipney, Elias E.....	Clark.....	Casey.....	.. 20	20
Tanner, Jno. R.....	Clay.....	Louisville.....	.. 20	20
Thomas, W. B.....	Hancock.....	Augusta.....	.. 20	20
Truhilo, Jno.....	Bureau.....	Princeton.....	.. 23	20
Tubbs, W. C.....	Henderson.....	Kirkwood.....	.. 27	20
Tackett, Jno. A.....	Shelby.....	Shelbyville.....	.. 30	20
Weir Plow Co.....	Warren.....	Monmouth.....	.. 13	20
Whitmans, Thos.....	Douglas.....	Arcola.....	.. 14	20
Wolf, Levi.....	Hancock.....	West Point.....	.. 20	20
Williams, W. G.....	Adams.....	Quincy.....	.. 15	20
Walker, A. W.....	Jasper.....	Newton.....	.. 20	20
Watrous, I. S.....	McHenry.....	Ridgefield.....	.. 16	20
Wikler, Jno. W.....	Will.....	Monroe.....	.. 20	20
Welter, P.....	Christian.....	Stonington.....	.. 17	20
Wall, Geo. W.....	Perry.....	DuQuoin.....	.. 20	20
Watt, Jas.....	Randolph.....	Tilden.....	.. 18	20
Wilson, P. E.....	Sangamon.....	Springfield.....	.. 20	20
Wilson, Edw. A.....	.....	.....	.. 20	20

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.
Wheeler, —	Adams	Liberty	Nov. 17	20
Weaver, N.	Henderson	Kirkwood	" 19	20
Weaver, Geo. W.	"	"	"	20
Weaver, Jno. W.	"	"	"	20
Wood, Jas.	Macoupin	Bunker Hill	"	20
Wilson, Thos.	Jazewell	Mackinaw	" 20	20
Wickoff, T. H.	Jasper	Falmouth	"	20
Western Brewing Co.	St. Clair	Belleville	" 22	20
Wells, Joseph	Washington	Addieville	" 24	20
Ward, Frank	Knox	Altona	" 27	20
Ward, J. O.	Hancock	West Point	"	20
Wiggins, N. B.	Sangamon	Springfield	"	20
Wike, Scott	"	Pike	" 28	20
Wilson, Wm.	Kane	Elgin	Dec. 4	20
Yeagalin, M. M.	Adams	Colman	Nov. 15	20
Yurk, David	Macoupin	Bunker Hill	" 22	20
Zink, H. P.	Peoria	Peoria	" 24	20

Carp Distribution by S. P. McDole, for November and December.

J. Stinger	DuPage	Naperville		20
W. Eggermann	"	"		20
Lewis Baptist	"	"		20
Jas. Eggerman	"	"		20
J. Thomas	LaSalle	Ottawa		20
G. W. Blake	"	"		20
Lewis Lynch	"	"		20
Cyrus Calkins	Knox	Sugar Grove		20
Stilas Michels	"	"		20
Chas. Calkins	"	"		20
C. O. Lonnicker	Ogle	Rochelle		20
Wilhelm Sebrea	DeKalb	Hinkley		20
W. Truman	LaSalle	Mendota		20
J. P. Richardson	Bureau	Princeton		20
E. C. Richardson	"	Ohio		20
A. N. Richardson	"	"		20
C. Heusman	Clinton	Lost Creek		20
J. C. Kessler	Bureau	Ohio		20
N. S. Carlisle	Kane	Geneva		20
Chas. Pope	"	St. Charles		20
A. Fredinbager	"	Blackberry		20
E. Warne	"	St. Charles		20
Chas. Miller	"	Petersburg		20
Cyrus McDole	Menard	"		20
Cyrus McDole	"	"		20
Cyrus McDole	"	"		20
Cyrus McDole	"	"		20
Cyrus McDole	"	"		20
Cyrus McDole	"	"		20
C. Elmwood	DeKalb	Sycamore		20
Reuben Elwood	"	"		20
F. Woodman	Kane	Blackberry		20
F. C. McClare	"	Elgin		20
H. B. Douglas	"	Aurora		20
Dr. Thos. Hoffman	Cook	Norwood Park		20
D. H. K. Campbell	"	Lake View		20
Geo. Whitbold	"	"		20
R. Schiesser	"	Chicago		20
H. D. Eversers	Cook	Norwood Park		20
T. Thompson	"	"		20
R. L. Race	"	Irving Park		20
L. Porter	Will.	Channahon		20
Joe Barnes	LaSalle	Ottawa		20
S. H. Morrell	Moultrie	Sullivan		20
J. Upton	Effingham	Teutopolis		20
F. G. Thompson	"	Tonica		20
Rt. Zemple	Iroquois	Woodland		20
Conrad Tague	"	"		20
B. Nessbaum	Cook	Mattison		20
Seiner	Effingham	Teutopolis		20

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't	No.
Jos. Jackson.....	Kendall.....	Millington.....		20
Wm. Truman.....	LaSalle.....			20
A. P. Anderson.....	Bureau.....			20
S. P. Watson.....	Henry.....	Geneseo.....		20
J. W. Osgood.....	Cook.....			20
A. W. Griffith.....	LaSalle.....	Farm Ridge.....		20
G. W. Brown.....	Knox.....	Galesburg.....		20
Jas. Harris.....	Bureau.....			20
M. M. Wilcoxon.....	Fulton.....	Bryant.....		20
Moses Hill.....	DeKalb.....	Cortland.....		20
Frank Jacobs.....	Champaign.....	Urbana.....		20
E. D. Richardson.....	Henry.....	Cambridge.....		20
R. G. Patten.....	Warren.....	Monmouth.....		20
W. F. Mitchell.....	Ogle.....	Adeline.....		20
Jas. Calder.....	Livingston.....	Cornell.....		20
H. R. Wind.....	LaSalle.....			20
Levi Colburn.....	Clay.....	Louisville.....		20
Peter Bresster.....	Whiteside.....	Sterling.....		20
J. A. Thayer.....	Henry.....	Woodhull.....		20
Brownell.....	LaSalle.....	Ottawa.....		20
Louis Stewart.....	Kendall.....	Plano.....		20
Louis Stewart.....				20
W. Pepper.....	Mercer.....	Joy.....		20
E. West.....	Kane.....	Blackberry.....		20
W. P. West.....				20
R. C. Strawn.....	LaSalle.....	Ottawa.....		20
E. Blodgett.....	Cook.....	Downer's Grove.....		20
F. Jacobs.....	Ogle.....	Adeline.....		20
A. C. Moore.....		Polo.....		20
L. L. Hiatt.....	DuPage.....	Wheaton.....		20
L. L. Hiatt.....	"	"		20
L. L. Hiatt.....	"	"		20
L. L. Hiatt.....	"	"		20
L. L. Hiatt.....	"	"		20
L. L. Hiatt.....	"	"		20
Wm. Wilhelms.....	Stephenson.....	Florence Station.....		20
Dirk Elders.....	"	"		20
L. Daniels.....	"	"		20
D. J. Hotting.....	Kane.....	Aurora.....		20
J. L. Dills.....	DuPage.....	Naperville.....		20
J. N. Murray.....	"	"		20
E. Robinson.....	"	"		20
Wm. Clancy.....	Kane.....	Aurora.....		20

Carp Distribution by S. P. Bartlett, Commissioner.

NAME.	County.	Residence.	Date	Acres.	No.	ft.
E. S. Robertson.....	Jackson.....	Carbondale.....	Nov. 19	15 1/2	6	ft.
Enoch J. Steward.....	Richland.....	Claremont.....	"	15 1/2	3	"
Benj. D. Fowler.....	"	"	"	15 1/2	3	"
A. W. Fritchley.....	"	"	"	15 1/2	3	"
N. B. Allen.....	"	"	"	15 1/2	3	"
A. J. Bailey.....	Peoria.....	Peoria.....	"	15 1/2	3	"
E. L. T. Bourland.....	"	"	"	15 1/2	3	"
W. G. Wilkins.....	McDonough.....	Adair.....	"	15 1	3	"
J. C. Carr.....	Grundy.....	Morris.....	"	15 1/2	3	"
C. M. Young.....	Warren.....	Monmouth.....	"	15 1/2	4 1/2	"
S. H. Callaway.....	Henry.....	Orion.....	"	15 1/2	2	"
M. M. Miller.....	Peoria.....	Peoria.....	"	15 20	3	"
I. N. Bauwens.....	Cumberland.....	Bradburg.....	"	15 1/2	4	"
J. E. Hugo Herman.....	Shelby.....	Sigel.....	"	15 1/2	5	"
A. S. Smart.....	Madison.....	Troy.....	"	15 1/2	3	"
Geo. W. Anderson.....	"	"	"	15 1	2	"
Jos. Niswanger.....	Logan.....	Atlanta.....	"	15 1/2	4	"
A. J. Holderman.....	Grundy.....	Morris.....	"	15 1/2	3 1/2	"
J. L. McNeill.....	Richland.....	Parkerburg.....	"	15 1 1/2	3	"
J. M. Davis.....	Macoupin.....	Staunton.....	"	15 1/2	6	"
Hy Fairfield.....	Jasper.....	Newton.....	"	15 1/2	4	"
Austin Smith.....	"	"	"	15 1/2	4	"
Henry Kibler.....	"	"	"	15 1/2	4	"
Oliver Britton.....	"	"	"	15 1/2	4	"
F. A. Kibler.....	"	"	"	15 1/2	4	"
C. B. McKinney.....	Montgomery.....	Irving.....	"	15 1/2	6	"
H. M. Kelley.....	"	"	"	15 1/2	4	"

Carp Distribution—Continued

NAME.	County.	Residence.	Date of Shipm't	No.	Area of Pond.	Depth.
Chas. Perring.....	Macoupin.....	Macoupin.....	Nov. 19	15	$\frac{1}{4}$ acres.	3 $\frac{1}{2}$ ft.
L. B. Corbin.....	Macoupin.....	Macoupin.....	Nov. 19	15	$\frac{1}{4}$ "	3 $\frac{1}{2}$ "
T. J. Middlecoff.....	Montgomery.....	Nokomis.....	Nov. 19	15	$\frac{1}{4}$ "	4 "
Jno. Snyder.....	Woodford.....	Metamora.....	Nov. 19	15	$\frac{1}{4}$ "	6 "
M. A. Shepard.....	St. Clair.....	Lebanon.....	Nov. 19	15	$\frac{1}{4}$ "	5 "
Jno. C. Behrens.....	St. Clair.....	O'Fallon.....	Nov. 19	1	"	6 "
J. W. River.....	Peoria.....	Elmwood.....	Nov. 19	15	$\frac{1}{4}$ "	5 "
S. S. Will.....	Hancock.....	Stillwell.....	Nov. 19	15	$\frac{1}{4}$ "	4 "
B. J. Manifold.....	".....	Dallas.....	Nov. 19	15	$\frac{1}{4}$ "	5 "
Mrs. J. H. Huffman.....	".....	Stillwell.....	Nov. 19	15	$\frac{1}{4}$ "	5 $\frac{1}{2}$ "
F. S. Huffman.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	5 "
Wm. Wheeler.....	Macoupin.....	Carlinville.....	Nov. 19	2	"	7 "
M. M. Martin.....	Boone.....	Caledonia.....	Nov. 19	3	"	3 "
S. J. Briggs.....	Tazewell.....	Minier.....	Nov. 19	15	$\frac{1}{4}$ "	3 $\frac{1}{2}$ "
J. I. Briggs.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	3 $\frac{1}{2}$ "
J. B. McHose.....	Henry.....	Orion.....	Nov. 19	15	$\frac{1}{4}$ "	2 "
Wm. Stiering.....	Washington.....	Venedy.....	Nov. 19	15	1-5 "	6 "
Chas. Rudolph.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	5 "
F. Wiegmann.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	4 "
E. A. Blume.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	4 $\frac{1}{2}$ "
G. Schneider.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	5 $\frac{1}{2}$ "
F. Selving.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	4 "
P. W. Kastrop.....	".....	".....	Nov. 19	15	1 "	5 "
E. W. Miller.....	Montgomery.....	Raymond.....	Nov. 19	15	$\frac{1}{4}$ "	10 "
W. E. Killam.....	Shelby.....	Tower Hill.....	Nov. 19	15	"	"
Geo. Ziegler.....	Crawford.....	Oblong.....	Nov. 19	15	1 acres.	5 ft.
J. R. Beck.....	Christian.....	Assumption.....	Nov. 19	15	"	"
Malinda McClure.....	Shelby.....	".....	Nov. 19	15	$\frac{1}{4}$ acres.	2 $\frac{1}{2}$ ft.
Thos. D. Fox.....	St. Clair.....	Freeburg.....	Nov. 19	15	$\frac{1}{4}$ "	3 "
F. A. Wildman.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	3 "
F. Bruckmueller.....	Jefferson.....	Bell Rive.....	Nov. 19	15	$\frac{1}{4}$ "	5 "
Geo. E. Krutizer.....	McDonough.....	Colchester.....	Nov. 19	15	"	10 "
Geo. Krysher.....	Jackson.....	Makanda.....	Nov. 19	15	"	"
A. M. Champ.....	McDonough.....	Colchester.....	Nov. 19	15	5 acres.	4 ft.
F. Heaton.....	Hancock.....	La Harpe.....	Nov. 19	15	$\frac{1}{4}$ "	3 "
Geo. Coulson.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	4 "
W. E. C. Gifflette.....	".....	".....	Nov. 19	16	$\frac{1}{4}$ "	4 $\frac{1}{2}$ "
Wm. A. Grottfelder.....	Tazewell.....	Minier.....	Nov. 19	15	$\frac{1}{4}$ "	4 "
Eliah Wright.....	Montgomery.....	Chapman.....	Nov. 19	15	$\frac{1}{4}$ "	5 "
Jno. W. Latta.....	Unionland.....	Greenup.....	Nov. 19	15	"	"
Jas. Calder.....	Livingston.....	Cornell.....	Nov. 19	15	$\frac{1}{4}$ acres.	4 ft.
David Calder.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	4 "
H. H. Gunn.....	Vermillion.....	Muncie.....	Nov. 19	15	$\frac{1}{4}$ "	2 "
W. J. Meyer.....	Livingston.....	Ocoya.....	Nov. 19	15	1-16 "	2 "
A. A. Short.....	Randolph.....	Perry.....	Nov. 19	15	1 $\frac{1}{2}$ "	5 "
R. Bush.....	Boone.....	Mt. Sterling.....	Nov. 19	15	$\frac{1}{4}$ "	3 "
P. T. Bush.....	".....	".....	Nov. 19	15	"	4 "
Peter Rigg.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ acres.	4 "
J. A. Smith.....	McDonough.....	Scotia.....	Nov. 19	15	$\frac{1}{4}$ "	3 "
Hy J. Davis.....	La Salle.....	Freedom.....	Nov. 19	15	"	"
Homer Wattles.....	McHenry.....	West McHenry.....	Nov. 19	15	1 acres.	2 ft.
A. J. Pichford.....	Washington.....	Livingston.....	Nov. 19	15	$\frac{1}{4}$ "	2 $\frac{1}{2}$ "
Wm. Thompson.....	Effingham.....	Effingham.....	Nov. 19	15	$\frac{1}{4}$ "	5 "
D. Heaton.....	Scott.....	Manchester.....	Nov. 19	15	$\frac{1}{4}$ "	4 "
A. J. Famelle.....	Greene.....	Carrollton.....	Nov. 19	15	$\frac{1}{4}$ "	4 "
Jno. M. Lewis.....	".....	".....	Nov. 19	15	"	"
J. P. Blakeley.....	Henry.....	Orion.....	Nov. 19	15	$\frac{1}{4}$ acres.	3 ft.
Morris Kane.....	Iroquois.....	Waukega.....	Nov. 20	6	"	5 "
C. Bigler.....	Shelby.....	Sigel.....	Nov. 19	15	1-5 "	4 "
A. C. McMurphy.....	Jackson.....	Makanda.....	Nov. 19	1	"	5 "
Henry Mahannah.....	Macon.....	Casper.....	Nov. 19	15	1-10 "	4 "
John Payson.....	Hancock.....	LaHarpe.....	Nov. 19	15	"	"
A. Allison.....	McDonough.....	Good Hope.....	Nov. 19	15	$\frac{1}{4}$ acres.	5 ft.
Jas. Taylor.....	Brown.....	Mound Station.....	Nov. 19	15	$\frac{1}{4}$ "	5 "
Henry Conklin.....	Hancock.....	Carthage.....	Nov. 19	15	$\frac{1}{4}$ "	7 "
J. S. Coffman.....	Christian.....	Taylorville.....	Nov. 19	15	$\frac{1}{4}$ "	4 "
F. Guseking.....	Effingham.....	Shumway.....	Nov. 19	15	2 "	6 "
L. J. Kuntz.....	St. Clair.....	Belleville.....	Nov. 19	15	$\frac{1}{4}$ "	6 "
Wm. Winkleman.....	".....	".....	Nov. 19	15	$\frac{1}{4}$ "	4 "
Lewis Burson.....	Marshall.....	Spartland.....	Nov. 19	15	$\frac{1}{4}$ "	5 "
Geo. Davis.....	Adams.....	Mendon.....	Nov. 19	15	$\frac{1}{4}$ "	5 "
C. A. Bonvallet.....	Kankakee.....	St. Anne.....	Nov. 19	15	1-10 "	4 "
R. Snyder.....	".....	Metamora.....	Nov. 19	15	"	"
Jno. M. Bolt.....	Macoupin.....	Brighton.....	Nov. 19	15	"	"
Hy Ball.....	Jersey.....	".....	Nov. 19	15	$\frac{1}{4}$ acres.	6 ft.
G. W. Fink.....	Sangamon.....	Pleasant Plains.....	Nov. 19	15	$\frac{1}{4}$ "	6 "
Jno. N. Harrison.....	".....	Salisbury.....	Nov. 19	15	"	"

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.	Area of Pond.	Avg. depth.
C. F. Griffith	McDonough	Macomb	Nov. 19	15	1/2 acres.	6 ft.
W. S. Hendricks	Hancock	St. Marys	"	15	1/2 "	5 "
M. Dappart	Shelby	Stewardson	"	15	1 "	3 1/2 "
Henry Mills	Vermillion	Georgetown	"	15	1/2 "	4 "
Joshua Hedgecock	Nichuylar	Plymouth	"	15	1 "	2 "
M. L. McClure	McLean	Danvers	"	15	1/2 "	3 "
Geo. W. Westlake	Pike	Pittsfield	"	15	"	"
Arthur Brown	"	"	"	15	1 1/2 acres.	4 1/2 ft.
B. F. Westlake	"	"	"	15	1 1/2 "	4 1/2 "
Reuben Allen	"	"	"	15	1 1/2 "	4 1/2 "
C. F. Westlake	"	"	"	15	1 1/2 "	4 1/2 "
Geo. W. Westlake	"	"	"	15	1 1/2 "	4 1/2 "
J. B. Wright	Lawrence	Sumner	"	15	1-5 "	4 "
A. G. Barnes	Christian	Taylorville	"	15	1 1/2 "	4 "
Ben Barnes	"	"	"	15	1 1/2 "	4 "
Jno. S. Pumyea, Sr.	Fulton	Fairview	"	15	1 1/2 "	2 1/2 "
Wm. Perry	Pike	Milton	"	15	"	"
C. L. Pfanschmidt	"	Barry	"	15	1/2 acres.	6 ft.
Thos. Buck	Hancock	Elvaaton	"	15	1/2 "	3 "
A. G. Preston	Grundy	Saratoga	"	15	1 "	2 "
H. P. Edmunds	Carroll	Mt. Carroll	"	15	1 "	6 "
Jacob Strous	Ogle	Carthage	"	15	1/2 "	5 "
C. W. Hedmon	Lawrence	Sumner	"	15	3/4 "	8 "
Wm. J. Zimmerman	Edgar	Paris	"	15	3 1/2 "	3 "
Wade J. Zimmerman	Montgomery	Harvel	"	15	"	"
Edw'd Zimmerman	"	"	"	15	"	"
Fred Zimmerman	"	"	"	15	"	"
B. L. Cunningham	Lawrence	Sumner	"	15	1-5 acres.	4 ft.
A. M. McClain	White	Enfield	"	15	1-5 "	3 "
O. W. Gray	Highland	Noble	"	15	1 "	3 "
M. P. Hovey	Champaign	Ogden	"	15	1 "	2 "
W. Easthke	DuPage	Utopia	"	15	1/2 "	4 "
Arthur Robinson	"	"	"	15	1/2 "	4 "
Fritz Meyer	"	"	"	15	1/2 "	4 "
B. B. Bowman	Jasper	Hunt City	"	15	1 1/2 "	3 "
Jno. Bates	"	"	"	15	"	"
E. N. Jennings	Brown	Mound Station	"	15	1/2 acres.	7 ft.
T. J. Howell	Henry	Woodhull	"	15	1/2 "	3 "
W. W. Warner	"	Warner Station	"	15	1/2 "	8 "
Jas. Harris, Jr.	Bureau	Princeton	"	15	1/2 "	4 "
Henry Selter	St. Clair	Lebanon	"	15	1/2 "	4 "
P. W. Cox	Lawrence	Bridgeport	"	15	1/2 "	6 "
P. W. Henry	Shelby	Windsor	"	15	1-10 "	5 1/2 "
Jas. Burke	Jersey	Brighton	"	15	2 1/2 "	9 "
Jno. B. Fox	Cook	Blue Island	"	15	1/2 "	4 "
C. A. Chittenden	Adams	Mendon	"	15	1/2 "	5 "
John M. Bolt	Jersey	Brighton	"	15	1/2 "	8 "
R. R. Bourland	Peoria	Peoria	"	15	1/2 "	3 "
R. N. Bailey	"	"	"	15	1/2 "	3 "
Henry Benig	St. Clair	Smithton	"	15	1/2 "	5 "
Thos. Buck	Grundy	Morris	"	15	"	"
W. W. Brown	Peoria	Elmwood	Nov. 20	15	1 1/2 acres.	3 ft.
D. H. Gray	"	"	"	15	1 1/2 "	3 "
C. F. Bowers	"	"	"	15	1 1/2 "	3 "
E. Vanpatten	"	"	"	15	1 1/2 "	3 "
S. S. Graham	"	"	"	15	1 1/2 "	3 "
Scott Clingham	"	"	"	15	1 1/2 "	3 "
W. W. Brown	"	"	"	15	1 1/2 "	3 "
S. E. Ellis	"	"	"	15	1 1/2 "	3 "
F. A. Camp	"	"	"	15	1 1/2 "	3 "
C. J. Bird	"	"	"	15	1 1/2 "	3 "
Thos. Gowers	Hancock	Loralne	"	15	"	"
D. W. Ewing	Coles	Mattoon	"	15	1/2 acres.	3 ft.
Geo. Schaefer	McDonough	Bushnell	"	15	"	"
Chas. D. Durham	Vermillion	Danville	"	15	1/2 acres.	15 ft.
A. C. Daniel	"	"	"	15	1/2 "	15 "
Samuel Beecher	Whiteside	Coleta	"	15	15 "	2 "
S. N. Cobb	"	"	"	15	15 "	2 "
G. W. Howe	"	"	"	15	15 "	2 "
J. S. Delts	"	"	"	15	15 "	2 "
H. Hawkins	"	"	"	15	15 "	2 "
W. C. Vincent	"	"	"	15	15 "	2 "
F. W. Weddell	"	"	"	15	15 "	2 "
Frank Bronson	"	"	"	15	15 "	2 "
Byron London	"	"	"	15	15 "	2 "
Jas. McDonald	Madison	Bethalto	"	15	2 1/2 "	12 "
F. W. L. Beck	"	"	"	15	2 "	15 "

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.	Area of Pond.	Depth.
Patrick Conley	Madison	Bethalto	Nov. 20	15	2½ acres	12 ft.
H. O. Webber	..	..	..	15	3 ..	10 ..
Wm. Benbow	..	..	..	15	3 ..	10 ..
Wm. Meisler	..	..	..	15	..	..
B. B. Ingerham	Clay	Flora	..	15	1 acres	4 ft.
L. E. Boyer	Stephenson	Waddams Grove.	..	15	1-5 ..	4 ..
A. L. Balman	Jasper	Wheeler	..	15	1 ..	4 ..
Geo. Marcher	..	..	..	15	½ ..	3 ..
P. A. Brady	Cumberland	Greenup	..	15	..	..
E. E. Spencer	Marion	Alma	..	15	1 acres	3 ft.
Frank Jennings	Ford	Gibson	..	15	3 ..	5 ..
Andrew Stollberg	St. Clair	Heinrichtown	..	15	3 ..	5 ..
Jno. P. Stollberg	..	..	..	15	3 ..	5 ..
Martin J. Stollberg	..	..	..	15	3 ..	5 ..
Henry C. Stollberg	..	..	..	15	3 ..	5 ..
Jno. M. Stollberg	..	..	..	15	3 ..	5 ..
Geo. Stollberg	..	..	..	15	3 ..	5 ..
J. H. Bourns	Cook	Park Ridge	..	15	½ ..	6 ..
Jas. W. Greenwood	Iroquois	Loda	..	15	..	..
W. C. Caldwell	Sangamon	Loami	..	15	1 acres	4 ft.
J. F. Miller	..	Auburn	..	15	½ ..	5 ..
W. E. Lodge	Platt	Lodge Station	..	15	..	..
J. F. Compton	Jasper	Boos Station	..	15	½ acres	6 ft.
B. E. Whitlock	..	Henrick	..	15	..	..
J. C. Whitlock	..	..	..	15	..	..
Edward Cox	Fulton	Fairview	..	15	½ acres	3 ft.
F. M. Taggart	Schuylcr	Wayland	..	15	..	..
Hon. D. C. Taylor	Kankakee	Kankakee	..	15	3 acres	12 ft.
B. N. Matheny	Cumberland	Greenup	..	15	..	..
Jacob Dickens	Kane	Anrora	..	15	..	..
Rev. T. Larson	McHenry	Harmony	..	15	..	..
H. Wakening	St. Clair	Lenzburg	..	15	1 acres	10 ft.
W. R. Decker	Vermillion	Sumner	..	15	..	..
John S. Jones	Jasper	Advance Station	..	15	..	..
Julius Kuntz	St. Clair	Belleville	..	15	½ acres	4 ft.
S. M. Sebkweches	..	..	..	15	..	..
R. Poindexter	Franklin	Thompsonville	..	15	½ acres	4½ ft.
W. B. Tribe	Edwards	Albion	..	15	½ ..	3 ..
Patrick Nicholson	Coles	Lerna	..	15	1-10 ..	2 ..
Ernst Herrecke	LaSalle	LaSalle	..	15	½ ..	6 ..
Chas. Herbold	..	..	..	15	..	..
Jno. Groves	Logan	Atlanta	..	15	½ acres	4 ft.
C. W. Wellington	Schuylcr	Rushville	..	15	1 ..	4 ..
J. R. Challacombe	Montgomery	Hillsboro	..	15	½ ..	3 ..
Alex. A. Cress	..	..	..	15	..	..
William Laws	..	Donnellson	..	15	½ acres	12 ft.
Chas. A. Ramsey	..	Hillsboro	..	15	..	..
Jacob Specht	Clinton	Trenton	..	15	2 acres	7 ..
S. L. Dickerson	Jasper	West Liberty	..	15	½ ..	3 ..
J. G. Willsby	Pike	Pittsfield	..	15	1 ..	7 ..
W. R. Willsby	..	..	..	15	1 ..	7 ..
T. Kaltrieder	..	..	..	15	½ ..	5 ..
J. M. Truitt	Montgomery	Hillsboro	..	15	1 ..	7 ..
J. M. Doran	Pike	Barry	..	15	..	..
W. J. Kellam	Jasper	West Liberty	..	15	½ acres	4 ft.
Jno. Kesler	Vermillion	Humerick	..	15	..	..
Jacob Jarot	..	..	..	15	..	..
E. T. Stokes	..	..	..	15	..	..
C. Lillerick & Sons	Henderson	Gladstone	..	15	½ acres	7 ft.
Lemuel McColm	Marion	Salem	..	15	½ ..	4 ..
Chas. Retterer	McHenry	Dorr	..	15	2 ..	5 ..
A. V. Limby	DeWitt	Clinton	..	15	..	..
Egypt Milling Co.	Washington	Ashley	..	15	½ acres	7 ft.
Jas. M. Handley	Vermillion	Humerick	..	15	..	..
E. R. E. Kimbrough	..	Danville	..	15	..	..
Jacob Randall	Washington	Okawville	..	15	½ acres	5 ft.
Adam Randall	..	..	..	15	½ ..	5 ..
Wm. Randall	..	..	..	15	½ ..	5 ..
Edw. Randall	..	..	..	15	½ ..	5 ..
Julius Neubauer	..	..	..	15	½ ..	5 ..
H. A. Grimmer	Adams	Quincy	..	15	½ ..	4 ..
S. Price	Crawford	Hardinsville	Nov. 21	15	2 ..	5 ..
John B. Shott	Adams	Quincy	..	15	..	..
Mrs. J. B. Shott	..	..	..	15	..	..
E. H. Waldron	Tippecanoe	Lafayette. Ind.	..	15	½ acres	4 ft.
R. Roberts	Boone	Belvidere	..	15	..	..
F. Amen	Adams	Clayton	..	15	..	..

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.	Area of Pond.	Depth.
C. M. Burgess.	Platt	Bement.	Nov. 21	15		
W. W. Barr	Jackson	Carbondale		15	1 acres	4 ft.
Jas. Brainard	Bureau	Buda		15	2	4
Sam'l Black.	Vermillion	Fithian		15	1/2	2
Jerry Burtz	"	"		15		
Jno. R. Thompson	"	"		15		
Jno. R. Crowe	Monroe	Waterloo		15		
S. G. Chamness	Lawrence	Centerville		15		
W. O. Converse	Sangamon	Springfield		15		
H. H. Crane	Morgan	Liter		15	2 1/2 acres	4 ft.
Geo. W. Colburn	Clay	Ingraham		15		
C. C. Colburn	"	"		15		
Geo. Marley	"	"		15		
S. M. Colburn	"	"		15		
Sam'l Cook	Macoupin	Carlinville		15		
Geo. Carey	Lee	Rochelle		15	1 acres	3 ft.
B. V. Carey	Crawford	Robinson		15	1/2	6
M. J. Dobschultz	St. Clair	Belleville		15	1	6
Cyrus DeBolt	LaSalle	Ottawa		15	1/2	4
N. T. Eaton	Jackson	Ora		15		
H. A. Elson	Jasper	Willow Hill		15	1/2 acres	4 ft.
Hon. Milo Erwin	Williams	Marion		15		
V. E. Elmore	Cass	Ashland		15	1/2 acres	9 ft.
Elijah D. Gwinn	Hancock	Loraine		15	1	
T. L. Gilbert	Knox	Knoxville		15	1/2	3 ft.
C. H. Gardner	Peoria	Elmwood		15		
Jas. Gaines	Vermillion	Ridge Farm		15		
G. W. Gaines	"	"		15		
Grace Russ	"	"		15		
Jno. W. Gross	Stark	Rochester		15	2 acres	7 ft.
J. D. Hilliard	Jefferson	Mt. Vernon		15	1	6
Geo. Hatcher	Madison	Nameoki		15		
Jno. T. Hewitt	Vermillion	Georgetown		15	1/2 acres	4 ft.
C. S. Henkle	Pike	Baylis		15		
Chas. Hersman	Sangamon	Loami		15		
E. H. Hensinger	White	Burnt Prairie		15		
T. H. Hinkle	St. Clair	Caseyville		15	1/2 acres	4 ft.
Jno. Hinkle	"	"		15	1/2	3
Jno. Hugely	Washington	Nashville		15	1	5
G. B. Hicks	Crawford	Hardinsville		15	1	6
Edna Hinshaw	McLean	Bloomington		15	1/2	6
N. R. Healer	"	"		15	10	8
G. W. Harbaugh	Monroe	Foster Pond		15	1/2 acres	3 ft.
D. H. Hart	Christian	Pana		15		
W. H. Heston	Mercer	Keltsburg		15	1/2 acres	4 ft.
J. P. Hodge	Pope	Golconda		15	6	3
Peter Jacobs	Marshall	Spartan		15		
S. S. B. Johnson	Moultrie	Sullivan		15		
Mrs. E. Kugler	Kendall	Millbrook		15		
H. H. King	Hancock	Augusta		15		
Peter S. Nelson	Knox	Henderson		15	1/2 acres	6 ft.
Edwin Nelson	"	"		15	1/2	6
George Nelson	"	"		15	1/2	6
W. Johnson	"	"		15	1/2	7
Lewis Johnson	"	"		15	1/2	7
H. S. Kiner	Henry	Geneseo		15	1 1/2	2 1/2
Conrad Long	St. Clair	Freeburg		15	1	2 1/2
Thos. Liggett	Massac	Metropolis		15	1-10 acre	6 ft.
Jas. A. McIlvaine	Randolph	Sparta		15		
H. M. Marks	McHenry	Huntley Grove		15		
J. F. Monday	Logan	Lincoln		15		
J. J. Morris	Will	Marley		15		
B. T. Strattan	Jefferson	Mt. Vernon		15	1 acres	6 ft.
B. W. Strattan	"	"		15	1	6
C. W. Pavey	"	"		15	1/2	2
J. B. McElvaine	Jasper	Willow Hill		15	1/2	2 1/2
J. N. McElvaine	Macoupin	Nilwood		15	1	6
Jno. McCleery	Pike	Baylis		15	1/2	5
Peter Mailer	Monroe	Waterloo	24	15		
Milton Newlin	Vermillion	Georgetown		15		
Wm. Needham	Cumberland	Neoga		15		
F. M. Newman	Washington	Beaucoup		15		
Wm. L. North	Lee	May		15	1/2 acres	2 ft.
H. H. Oberschelp	Bureau	Princeton		15		
F. Oswald	Madison	Alhambra		15		
Jno. Price	Crawford	Oblong		15		
Geo. Zeigler	"	"		15	1 acres	5 ft.

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipmt.	No.	Area of Pond.	Depth.
J. C. Robinson	Clark	Westfield	Nov. 24	15		
Jno. P. Roswell	Macoupin	Bunker Hill		45		
P. H. Reither	Washington	Nashville		15	1½ acres.	3 ft.
Glenn Bros	Montgomery	Hillsboro		15	1½	18
C. Rohrbough	Marion	Kinmundy		15	¼	8
John I. Spencer	Hancock	Hamilton		15		
Sawyer & McCracken	Washington	Nashville		15	3 acres.	4 ft.
M. Swartz	Champaign	Urbana		15	4	4
J. Sees	McLean	Bloomington		15	1-16	5
J. W. W. Sherman	Kane	Des Plaines		15		
H. H. Oberschelp	Bureau	Princeton		15	¾ acres.	5½ ft.
W. N. Stewart	Jasper	Latona		15	¾	5
Alex. Smith		Newton		15		
H. Simmons	Fayette	Vandalia		15		
Edw. Talbot	Cumberland	Greenup		15		
Fred Trautmann, Jr.	St. Clair	Caseyville		15	¾ acres.	2½ ft.
F. Trautmann, Sr.				15	¾	3
Jno. M. Tonson	Madison	Alton		15	1	6
Hy. O. Tonson				15	¾	7
Chas. Terpinig	Knox	Galesburg		15	1	2
Chas. H. Gardner	Peoria	Elmwood		15	¾	5½
Jno. Tunnell	Macoupin	Plainview		15	¾	7
Simon Vandermark	Lawrence	Bridgeport		15	¾	4
Thos. Whitson	McHenry	Woodstock		15		
Levi Watson	Clark	Westfield		15		
Jas. Waugler	Jefferson	Opdyke		15		
J. J. Wright	Montgomery	Chapman		15	¾ acres.	4 ft.
A. N. Walker	Jasper	Newton		15		
Hon. Nathan Williams	Whiteside	Sterling	21	15		
A. L. Wilbers	Union	Dongola		15		
H. W. Magur	McDonough	Good Hope		15		
Isaac Woodyard	Vermillion	Ridge Farm		15		
Geo. P. Willey & Son	DuQuoin	Perry	24	15	¾ acres.	4 ft.
Saml. White	Clay	Flora		15	¾	6
Ira Coe	Adams	Quincy	20	15		
J. F. Hughes				15		
Geo. Booth				15		
A. S. Williams	Vermillion	Danville	21	15	¾ acres.	5 ft.
Louis Pregler	Cook	Chicago		100		
Wm. Rhode	Richland	Claremont	24	15	1 acre.	5 ft.
N. Loser				15	1	5
Geo. Lutz				15	1	5
R. A. Hunt		Olney		15	1	3
Wm. Harman				15	1	3
D. Baird				15	1	2
M. C. Brehm		Claremont		15	1	5
E. Bowyer		Noble		15	1-5	6
David Boatman		Olney		15		
J. W. Findley		Noble		15	¾ acres.	2 ft.
Jacob Gloss		Olney		15		
Joseph Gloss				15		
H. Swallen		Claremont	24	15	1 acre	5 ft.
F. Schmachel				15	1	5
W. J. Burgess	DuQuoin	DuQuoin		15	1	
S. D. Kemp	Peoria	Elmwood		15	2½	3 ft.
D. E. Kemp				15	2½	3
A. F. Rogers	Madison	Upper Alton		15	¾	5
Geo. Waters	Rock Island	Milan		15	5	5
Wm. G. Wilkins	McDonough	Adair		15		
G. N. Wyatt	Wayne	Mt. Erie		15	¾ acres	6 ft.
A. S. Williams	Vermillion	Danville		15		
J. H. Sedlie	Pike	Pittsfield		15	¾ acres	5 ft.
D. F. Batr	Knox	Galesburg		15	¾	4
N. Baldwin	Shelby	Stewartson		15		
Thos. Childers	Lawrence	Pinkstaff		15		
Henry Bender	Clinton	Carlyle		15	2 acres	6 ft.
Frank Gundlach				15	2	6
Wm. Gunn	Vermillion	Muncie		15		
Henry F. Martin	Macoupin	Brighton		15	1 acre	6 ft.
Henry Turner	Logan	Atlanta		15		
Clyde Turner				15		
Jas. Paxton	Edgar	Kansas		15	1 acre	4 ft.
Oswald Jessup	Jasper	West Liberty		15		
S. C. Fox	Boone	Garden Prairie		15	¾ acre	3 ft.
R. H. Markham	Fulton	London Mills		15	1-5	2
Wm. Muir	Randolph	Steeleville	24	15		
F. Luhr				15		

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.	Area of Pond.	Depth.
Aug. Adair.....	Randolph.....	Steeleville.....	Nov. 21	15	.....	.....
Grigg West.....	Washington.....	Ashley.....	..	15	.....	.....
E. P. Ashbrook.....	Shelby.....	Windaor.....	..	15	½ acre	5 ft.
Wm. Niemeyer.....	Macoupin.....	Mt. Olive.....	..	15	½ ..	8 ..
N. Leuz.....	Rock Island.....	Alado.....	..	15	1½ ..	8 ..
N. Troutner.....	Madison.....	Grant Fork.....	..	15	.....	.....
Christian Tontz.....	.....	Sulina.....	..	15	½ acre	4 ft.
C. Peck.....	Clark.....	Marshall.....	..	15	½ ..	5 ..
U. J. Pifer.....	.....	Sullivan.....	..	15	.....	.....
Jno. Dysart.....	Lee.....	Dixon.....	..	15	1 acre	3 ft.
Jno. Clair.....	Adams.....	Mendon.....	..	15	½ ..	5 ..
Geo. Bruening.....	Marion.....	Centralla.....	..	200	.....	.....
W. D. Finlay.....	Adams.....	Quincy.....	..	15	1 acre	4 ft.
F. Fintay.....	.....	Columbus.....	..	15	½ ..	3½ ..
J. J. Meyrda.....	Sangamon.....	Pawnee.....	..	15	.....	.....
Donty Patterson.....	Moultrie.....	Sullivan.....	..	15	.....	.....
Chas. Stone.....	.....	Kane.....	..	15	.....	.....
Geo. P. Rosewell.....	Macoupin.....	Bunker Hill.....	25	15	.....	.....
Stewart & Walcott.....	Cook.....	Chicago.....	24	15	.....	.....
C. H. Atkins.....	Bureau.....	Arlington.....	..	15	.....	.....
Benj. Cummings.....	Adams.....	Camp Point.....	..	15	1 acre	15 ft.
D. H. Patton.....	Pike.....	Baylis.....	..	15	.....	.....
G. W. Shay.....	Clark.....	Dennison.....	..	15	1 acre	6 ft.
Geo. Hartan.....	LaSalle.....	Mendota.....	..	15	.....	.....
A. Fisher.....	Edwards.....	West Salem.....	..	15	1-10 acre	3½ ..
D. Garber.....	Clay.....	Flora.....	..	15	½ ..	3 ..
S. H. Jameson.....	Sangamon.....	Farmingdale.....	..	15	½ ..	3 ..
Harry Hare.....	LaSalle.....	Ottawa.....	..	15	½ ..	10 ..
Jas. Barnes.....	.....	Dayton.....	..	15	.....	.....
Rowland Giljames.....	Woodford.....	Benson.....	..	15	½ acre	8 ft.
J. B. Snyder.....	Adams.....	Quincy.....	..	15	½ ..	3½ ..
C. F. Hodgdon.....	.....	Pittsfield.....	..	15	1 ..	4 ..
Thos. Brew.....	Pike.....	Albion.....	..	15	½ acre	4½ ft.
Thos. Longhorn.....	Edwards.....	Mt. Vernon.....	..	15	½ ..	3 ..
T. L. Moss.....	Jefferson.....	Sullivan.....	..	15	½ ..	5 ..
Donty Patterson.....	Moultrie.....	Nashville.....	..	15	.....	.....
H. G. McKeby.....	Washington.....	Viriden.....	..	15	3 acres	7 ft.
Frank Thomas.....	Macoupin.....	Quincy.....	..	15	1 ..	3 ..
Jno. M. Eull.....	Adams.....	Buckingham.....	..	15	1½ ..	4 ft.
Geo. B. McMamel.....	Kankakee.....	Wayland.....	26	15	¼ acres	4 ft.
F. M. Fagart.....	McDonough.....	Macomb.....	..	15	1 ..	3½ ..
J. D. Minizer.....	.....	New Windsor.....	..	15	1 ¾ ..	7 ..
S. T. Gibson.....	Mercer.....	Bunker Hill.....	..	15	¾ ..	7 ..
F. Bumann.....	Macoupin.....	.....	..	15	.....	.....
Aug. Stoldt.....	.....	.....	..	15	.....	.....
Wm. Sharo.....	Pike.....	Pittsfield.....	..	15	.....	.....
A. W. Griffith.....	LaSalle.....	Grand Ridge.....	..	15	1-16 ..	4 ..
James H. Smith.....	Madison.....	Moro.....	..	15	¾ ..	2½ ..
J. T. King.....	.....	Upper Alton.....	..	15	.....	.....
D. S. Groat.....	Richland.....	Claremont.....	..	15	.....	.....
J. M. Pearson.....	Madison.....	Godfrey.....	..	15	.....	.....
James Strouse.....	Wayne.....	Long Prairie.....	..	15	.....	.....
W. J. Peters.....	Clinton.....	Carlyle.....	..	15	.....	.....
Marion Tyffer.....	Wayne.....	Long Prairie.....	..	15	.....	.....
S. W. Colton.....	Bureau.....	Princeton.....	..	30	½ acres	3 ft.
W. Bengert.....	Adams.....	Quincy.....	..	15	1 ..	3½ ..
John Bengert.....	.....	Melrose.....	..	15	1 ..	4½ ..
J. F. Richards.....	.....	Adams.....	27	15	1½ ..	4 ..
G. W. Enloch.....	Bureau.....	Princeton.....	..	15	½ ..	3 ..
Ira Coe.....	Adams.....	Melrose.....	..	15	1 ..	3 ..
Geo. Booth.....	.....	Adams.....	..	15	1 ¾ ..	4½ ..
J. F. Hughes.....	.....	.....	..	15	1 ..	.....
Thos. Brown.....	Richland.....	Parkersburg.....	..	15	.....	.....
L. B. Barton.....	Saline.....	Baleigh.....	..	15	.....	.....
A. S. Williams.....	Vermilion.....	Danville.....	..	15	½ acres	5 ft.
D. M. Snyder.....	Knox.....	Abingdon.....	..	15	.....	.....
T. W. Hall.....	Saline.....	Gallatia.....	..	15	.....	.....
Harrison Cook.....	Clark.....	Marshall.....	..	15	½ acres	2½ ft.
Benj. Weaver.....	Vernilion.....	Danville.....	..	15	.....	.....
Wm. L. Ayer.....	Jefferson.....	Centralla.....	..	15	.....	.....
J. H. Paulin.....	Logan.....	Atlanta.....	..	15	½ acres	4 ft.
A. W. Ladd.....	LaSalle.....	Dayton.....	..	15	.....	.....
Wm. Ribbe.....	.....	.....	..	15	½ acres	7 ft.
Louis King.....	Madison.....	New Douglas.....	..	15	.....	.....
Fred Obat.....	St. Clair.....	Belleville.....	..	15	.....	.....
A. Hatch.....	Pike.....	Strout.....	..	15	½ acres	6 ft.
Wm. Wilson.....	LaSalle.....	Utica.....	..	15	2 ..	3 ..

Carp Distribution—Continued.

NAME.	County.	Residence.	Date of Shipm't.	No.	Area of Pond.	Depth.
P. L. Johnson	Jefferson	Mt. Vernon	Nov. 27	15		
Julius Brosht	Christian	Pana	"	15	2½ acres.	8 ft.
Louis Weyman	Cook	Richton	"	15	¾	4
Isaac Detheridge	Greenwood	Fame, Kas.	"	15		
J. M. Bouress	Jasper	Hidalgo	"	15		
Jas. Cardot		Newton	"	15		
A. Thayer	Henry	Woodhull	"	15	4 acres.	4 ft.
B. F. Combs	Richland	Olney	"	15		
Rufus Brown	McHenry	Woodstock	"	15		
A. R. Glenn	Morgan	Jacksonville	"	15	¼ acres.	3 ft.
Garin Bros.	Bureau	Princeton	"	15	¼	4
S. B. Bowman	Jasper	Hunt City	"	15		
E. Hensinger	White	Burnt Prairie	"	15		
E. D. Gwinn	Hancock	Lorraine	"	15		
A. M. Ryder	Knox	Abingdon	"	15		
J. P. Middlecott	Ford	Paxton	"	15	1 acres.	4 ft.
Theo. Dickrotger	Clinton	Carlyle	"	15		
Wm. Werre	Randolph	Steeleville	"	15		
Thos. Liggett	Massac	Massac Creek	"	15		
Jno. Norton	Iroquois	Cissna Park	"	15		
Jno. A. Miller	Sangamon	Salisbury	"	15		
W. A. Rothwell	Winnebago	Kiwaukee	"	15		
Geo. D. Schaffer	Shelby	Shelbyville	"	15		
Jno. Lutz	Alida	Marston	Dec. 11	15	1½ acres.	5 ft.
E. Lintz	"	"	"	15	1½	5
Lizzie Lintz	"	"	"	15	1½	5
J. J. Davis	"	Macon	"	15		
R. L. Hinkley	St. Clair	Belleville	" 12	15	½ acres.	8 ft.
Carl Rupke	Shelby	Sigel	"	15		
P. S. Mahoney	Jasper	Wheeler	"	15		
Ira Coe	Adams	Quincy	"	15		
V. Heinzman	Clinton	New Baden	"	15	1-5 acres	5½ ft.
Wm. Grusbaum	"	"	"	15		
Martin Mayer	Perry	Pinckneyville	"	15		
J. H. Theis & Son	Randolph	Steeleville	"	15	¼ acres.	5 ft.
Wm. Foster	Randolph	Sparta	"	15	2	4
L. D. Foltz	Effingham	Montrose	" 15	15	1-16	4
H. E. Wiley	Perry	Tamaroa	"	15		
E. Wiley	"	"	"	15		
J. D. Lee	"	"	"	15		
Wm. Lee	"	"	"	15		
J. Moulton	"	"	"	15		
J. Smith	"	"	"	15		
Carl Rapke	Shelby	Sigel	"	15		
H. H. King	Hancock	Augusta	"	15		
J. J. Morris	Washington	Marlow	"	15		
F. M. Newman	Washington	Ashley	"	15		
Emig & Dugger	Clinton	Trenton	"	15		
Hamilton Parkhill	Randolph	Shiloh Hill	"	15		
M. M. Rendeman	Union	Jonesboro	"	15		
J. S. Hickman	Vermilion	East Lynn	"	15		
S. H. Grehman	Bureau	Princeton	"	15		
Jas. Given	"	"	"	15		
Amos Meyer	Effingham	Montrose	"	15		

CARP DISTRIBUTED BY GOVERNMENT.

NAME.	County.	Postoffice Address or Residence.
John Ott.....	Schuyler.....	Camden.....
W. L. Dove.....	Shelby.....	Shelbyville.....
O. Wilhelms.....	Stephenson.....	Florence Station.....
W. Wilhelms.....		
Jno. Gardner.....	Vermillion.....	Potomac.....
Hy. Bowers.....	".....	East Lynn.....
A. J. Stephenson.....	".....	Ridge Farm.....
J. J. Troutt.....	Washington.....	Nashville.....
Edgar King.....	White.....	Enfield.....
B. A. Cowdy.....		
J. F. Bowman.....	Fayette.....	Brownstown.....
A. W. Wing.....	".....	Vandalia.....
J. C. Bowles.....	".....	Hagerstown.....
E. Smith.....	".....	Vandalia.....
Diksen Proyer.....	".....	Farmington.....
W. F. Motter.....	Ford.....	Gibson City.....
B. G. Webb.....	Franklin.....	Taylor Hill.....
W. O. Morgan.....	Fulton.....	Cuba.....
J. E. Sandusky.....	Hamilton.....	Flint.....
Z. S. Young.....	Jasper.....	West Liberty.....
O. A. Wilbank.....	Jefferson.....	Belle River.....
Dr. O. P. Morris.....	Washington.....	Ashler.....
J. T. Payson.....		Wood Lawn.....
A. D. Gross.....	Bond.....	Greenville.....
C. Ketterman.....	Bureau.....	Tiskilwa.....
A. O. Elliott.....	Champaign.....	Homer.....
C. C. Stevens.....	".....	".....
J. W. Reed.....	".....	".....
J. F. White.....	Christian.....	Pana.....
Wm. M. Massey.....	Clay.....	Xenia.....
T. O. Pence.....		
G. W. Hiatt.....	Cumberland.....	Neoga.....
D. A. Ward.....	Douglas.....	Camargo.....
Jno. McKee.....	Edgar.....	Chrisman.....
A. J. Mapes.....	".....	Scot Land.....
A. A. Newlan.....	".....	Cherry Point.....
D. A. Fouts.....	".....	Christian.....
W. C. Duker.....		
W. B. Tribbe.....	Edwards.....	Albia, Ia.....
Geo. Stortzium.....	Effingham.....	Montrose, Ia.....
Wm. Blakely.....	".....	Altamont.....
Dr. S. S. Rice.....	".....	".....
Geo. J. Zander.....	".....	".....
John Albert.....	Randolph.....	Steeleville.....
J. L. Lively.....	".....	Perry.....
J. M. Lively.....	".....	".....
M. Hawson.....	".....	".....
Wm. F. Allevert.....	".....	Welga.....
Dr. J. Keller.....	".....	Steeleville.....
E. H. Norwood.....	Richland.....	Olney.....
A. J. Farris.....	".....	".....
D. S. Curry.....	".....	Calhoun.....
A. T. Baird.....	".....	Olney.....
Edward Silk.....	Scott.....	Exeter.....
Mrs. Sue J. Vickery.....	Morgan.....	Jacksonville.....
R. W. Gilliam.....	Peoria.....	Chillicothe.....
S. D. Kemp.....		Elmwood.....
J. W. Ellis.....	Perry.....	DuQuoin.....
Thos. White.....	".....	Cutler.....
W. F. Tefro.....	".....	Conant.....
Geo. Bamhill.....	".....	Cutler.....
Wm. C. Davis.....	".....	".....

Carp Distributed by Government—Continued.

NAME.	Residence.	Postoffice Address or Residence.
B. G. Root.....	Perry.....	Tamaroa.....
J. C. Kinzey.....	".....	".....
Geo. Baird.....	".....	Pinckneyville.....
E. H. Leneu.....	".....	".....
M. P. Genen.....	".....	".....
J. L. Murphy.....	".....	".....
Marion Wright.....	".....	St. John.....
Wm. E. Brokings.....	".....	DuQuoin.....
Fritz Dreier.....	Randolph.....	Steeleville.....
D. Scheek.....	".....	".....
J. Hagedorn.....	".....	Evansville.....
Thos. D. Carlton.....	Johnson.....	Vienna.....
H. B. Douglas.....	Kane.....	Aurora.....
C. P. Skloner.....	Kankakee.....	Manteno.....
C. R. Lodge.....	".....	Momence.....
I. E. Reigler.....	Kendall.....	Millbrook.....
R. B. Cane.....	LaSalle.....	Earlville.....
W. E. Dole.....	".....	".....
L. H. Davis.....	".....	".....
P. A. Morey.....	".....	".....
Jas. Cochran.....	".....	Pinkstaff.....
F. Brian.....	Lawrence.....	Sumner.....
J. C. Cunningham.....	".....	".....
Wm. M. Goble.....	DeKalb.....	LaClair.....
Capt. J. M. Dysart.....	Lee.....	Dixon.....
J. M. Boyd.....	Logan.....	Atlanta.....
A. Howcocks.....	McDonough.....	Bardolph.....
T. M. Cover.....	".....	Macomb.....
H. Kline.....	".....	".....
Geo. A. Cover.....	".....	".....
A. B. Stickle.....	".....	".....
Wm. Waggoner.....	".....	Good Hope.....
E. E. Turner.....	McHenry.....	Woodstock.....
Wm. B. Hewitt.....	McLean.....	Cheona.....
Fred. K. Spannth.....	Madison.....	Carpenter.....
Nicholas Lernas.....	".....	North Alton.....
C. J. Tolley.....	Marion.....	Vernon.....
Saul J. Hatch.....	".....	".....
C. M. Hamilton.....	".....	Salem.....
Henry Menerly.....	".....	Kiamundy.....

*Recapitulation of Expenditures by Illinois State Fish Commissioners
from October 1, 1883, to September 30, 1884.*

VOUCHERS AND BILLS OF PARTICULARS ON FILE WITH THE AUDITOR.

Amount to credit of Commissioners Oct. 1, 1883.....	\$1,804 80	
Cash from carp distribution.....	62 95	
Cash deducted from bill for boats.....	9 00	
Cash from sale of boat.....	40 00	
Cash from use of skiffs.....	10 00	
Appropriation for 1884.....	5,000 00	
		\$6,926 75
Amount expended for October, 1883.....	\$323 25	
" " " November, 1883.....	419 85	
" " " December, 1883.....	211 50	
" " " January, 1884.....	183 90	
" " " February, 1884.....	181 60	
" " " March, 1884.....	91 90	
" " " April, 1884.....	269 23	
" " " May, 1884.....	249 75	
" " " June, 1884.....	392 93	
" " " July, 1884.....	614 22	
" " " August, 1884.....	394 68	
" " " September, 1884.....	644 95	
		3,927 76
Amount to credit of Commissioners Oct. 1, 1884.....		\$2,998 99

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The following list of Fish Commissioners, revised to October, 1884, is from the AMERICAN FIELD:

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Inspector of Fisheries.

PROVINCE OF NOVA SCOTIA—

W. H. Rogers.....Amherst.
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PROVINCE OF PRINCE EDWARD'S ISLAND—

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Dr. E. W. Humphries.....Salisbury.

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A CATALOGUE OF THE NATIVE FISHES OF ILLINOIS.

BY S. A. FORBES, PH. D.

Professor of Zoology, Illinois Industrial University.

INTRODUCTION.

The following list is believed to represent correctly our actual knowledge of the names and distribution of the fishes of Illinois at the present time. No species has been entered upon it of which I have not myself studied representative specimens, collected within the State, except a very few inserted upon the high authority of Dr. Jordan and of the curators of the Smithsonian Institution.

My personal studies have been based entirely upon the collections of the State Laboratory of Natural History, made during the past eight years chiefly by myself and two of my assistants, Mr. W. H. Garman and Mr. N. K. McCormick.

The waters in which these collections have been made, include Lake Michigan and several of the smaller lakes of Northeastern Illinois; Rock River at Oregon; the Kishwaukee at Belvidere; Pecatonica River and its branches at Freeport, and in that vicinity; and the Galena River in the neighborhood of Galena. Many collections have also been made in Fox River at McHenry and Dayton; in the Illinois at Ottawa, Henry, Peoria, and Pekin, and at its mouth near Grafton; and from the lakes and ponds in the bottoms of these rivers at several of these points. The tributary of the Illinois most carefully searched is the Mackinaw, in Woodford and Tazewell counties. A small creek in Hancock county was likewise thoroughly explored. In the southern part of the State our collections were taken from the lakes and ponds in the Mississippi bottoms of Union County; in Clear Creek and Drury Creek in the same vicinity; in Cache River and its tributaries near Vienna in Johnson County, and at Mound City; in the Wabash River at Carmi and Mount Carmel; and in the Little Wabash, the Embarras, and the Saline, and various tributaries of those streams.

My knowledge of the fishes of the Ohio and Mississippi is derived almost entirely from several weeks' collecting at Cairo and Mound City.

The principal deficiencies in our survey of the ichthyic fauna of the State are likely to be found in the small prairie sloughs of Northern Illinois, in the lower Rock River and its tributaries, (especially the Green River basin), in the Kaskaskia River, and in the Mississippi, along the western border of the State.

The previously published lists of the fishes of Illinois are but few. The first contribution to the subject was a very brief list of common species by Mr. Robert Kennicott, occurring in a catalogue of the animals of Cook county, published in the Transactions of the Illinois State Agricultural Society for 1:53-4 (Vol. I). In the bulletin of the Illinois Museum of Natural History, published by us in 1876, was printed a partial catalogue of the fishes of Illinois, prepared by Mr. E. W. Nelson from the fishes at that time in the State Laboratory of Natural History. The circumstances under which this catalogue was prepared, and the numerous changes in nomenclature and in the definition of species made since that day, render the list of little present authority, especially as inference and general information seem to have been sometimes depended on in making up the notes on distribution. A second catalogue, published two years after in the second bulletin of the Laboratory, prepared by Prof. David S. Jordan with some assistance from the present writer, based, like the preceding, chiefly upon the Laboratory collections, was more complete and authoritative; but the progress of ichthyology and a more careful study of the specimens since that date, together with more extensive collections within the State, render this list also largely obsolete.

In the preparation of the following, I have been under especial obligations to Dr. Jordan for notes respecting the synonymy, contributed in advance of publication, and also for a few facts of distribution. I have followed, in the main, the arrangement and nomenclature of the "Synopsis of the Fishes of North America," by Jordan and Gilbert, published as Bulletin No. 16 of the United States National Museum, but have expressed my own views with regard to distinctions of genera and species. The grounds for such changes in nomenclature as are here made, will be given in full in my report on the cold-blooded vertebrates of Illinois, now nearly ready for the press.

In order to afford a clear explanation to students of the sense in which I have used generic and specific terms, I have referred to the above mentioned list in Bulletin No. 2, of the State Laboratory of Natural History, (1878), and to Jordan and Gilbert's Synopsis (Bul. 16, U. S. Nat'l Mus.), in every case where I have departed from the nomenclature or grouping of those papers, the references being made to names with which those here used are to be taken as synonymous. For the first of the above references I have used the abbreviation "Bul. 2"; for the second, "Synopsis."
The nomenclature of the second edition of Jordan's "Manual of the Vertebrates of the Eastern United States" is nearly the same as that of the list in our Bulletin 2, published the same year. Where it varies, I have added a citation to the "Manual," using the abbreviation "M. V."

CATALOGUE.

Class I. PISCES. (THE TRUE FISHES.)

Sub-class PHYSOCLISTI.

Order I. ACANTHOPTERI. (THE SPINY-RAYED FISHES.)

Family I. GADIDÆ. (COD-FISHES.)

Genus 1. LOTA, Cuvier.

1. *Lota maculosa* Le Sueur.—BURBOT; LING; EEL POUT.
Taken only in Lake Michigan.

A single specimen occurred some years ago at Naples, on the Illinois River, having evidently entered the river through the canal, then recently opened to the Chicago River.

Family II. COTTIDÆ. (THE SCULPINS.)

Genus 2. URANIDEA, De Kay.

2. *Uranidea richardsoni*, Agassiz.—MILLER'S THUMB; BLOB; MUFFLE-JAW; BULL-HEAD.
(Bul. II, 50; *Potamocottus albordi*, *Potamocottus wilsoni*, *Potamocottus meridionalis*.)

This species, the only representative of its family known positively to occur within the limits of our State, is by far the most abundant in Southern Illinois, where it is a common creek species, nestling under stones in shallows and rapids. A single specimen from a muddy stream, in McHenry county, and a few from the shallow waters of Lake Michigan, are the only representatives in our collections from the northern part of the State. Other species of this family occurring in Lake Michigan have been found only in the deeper waters outside our limits.

Family III. SCIÆNIDÆ.

Genus 3. HAPLODONOTUS, Rafinesque.

FRESH-WATER DRUMS.

3. *Haploidonotus grunniens*, Raf.—SHEEPSHEAD; DRUM; WHITE PERCH; CROAKER.

This species occurs in Illinois only in the great lakes and in rivers, occasionally in spring finding its way into creeks tributary to the Illinois and the Ohio.

Family IV. SERRANIDÆ. (THE SEA BASS.)

Genus 4. *Roccus*, Mitchell.

BASS.

4. *Roccus interruptus*, Gill.—YELLOW BASS; STRIPED BASS; BRASSY BASS.

(Bul. II, 44; *Morone interrupta*.)

This species has not occurred in Northern Illinois to our knowledge, but has been collected by us almost wholly in the Illinois River and in the bottom lakes connected with that stream.

5. *Roccus chrysops*, Raf.—WHITE BASS; SILVER BASS.

Throughout Illinois, in creeks and rivers, and in Lake Michigan, much more rarely in the small northern lakes. It seems, indeed, to be wholly wanting in the lakes of the Fox River system, in which it is said by the older fishermen to have been exterminated by severe winters some years ago. The presence of impassable fish-dams in the Fox River, through which these lakes are drained, probably accounts for its non-appearance since.

Family V. PERCIDÆ.

Sub-family PERCINÆ. (THE TRUE PERCHES.)

Genus 5. *Stizostedium*, Raf.

PIKE PERCHES.

6. *Stizostedium canadense*, Smith.—SAUGER; SAND-PIKE; GRAY-PIKE.

The distribution of this species in Illinois is precisely like that of the following.

7. *Stizostedium vitreum*, Mitch.—WALL-EYED PIKE; DORY; GLASS-EYE; YELLOW PIKE; BLUE PIKE; "JACK SALMON."

Found only in the larger rivers and lakes; occurring in our collections from the Wabash, Illinois and Rock Rivers. Especially abundant in the former at the rapids above Mt. Carmel.

Genus 6. *Perca*, Linnæus.

PERCH.

8. *Perca americana*, Schranck.—YELLOW PERCH; AMERICAN PERCH; RINGED PERCH.

A very abundant species in the northern part of the State; excessively common in Lake Michigan, where it is caught from the wharves by thousands daily. Also swarming in the small northern lakes, and one of the commonest fishes in the clearer creeks and rivers. In Central Illinois it is somewhat rare, occasional specimens only occurring in the Illinois. In the southern part of the State we have not seen it at all, not a single specimen, in fact, occurring in our collections south of the latitude of Alton. Southward its common name even is applied to other species—the various sunfishes. There is a uniform average difference in brightness of color between the lake and river specimens, the latter being much the brighter, but there are no specific distinctions.

Sub-family ETHEOSTOMATINÆ. (THE DARTERS.)

Genus 7. MICROPERCA, Putnam.

9. *Microperca punctulata*, Putnam.—LEAST DARTER.

This little species, the smallest of our fishes, is much the commonest northward, but has been taken as far south as Union county. It is less select in its haunts than most of the other Darters, occurring in waters of every description; but we have found it commonest in lakes, and scarcely less abundant along the weedy margins of larger rivers.

Genus 8. ETHEOSTOMA, Raf.

10. *Etheostoma eos*, Jor. & Copeland.

(Bul. II, 42; *Boleichthys eos*: Synop., *Pæclichthys eos*.)

Not especially common in Illinois; chiefly of northern distribution; most abundant in lakes, and occurring also in the smaller rivers.

11. *Etheostoma fusiforme*, Grd.

(Bul. II, 43; *Boleichthys elegans*: Synop., 519 & 520; *Pæclichthys butlerianus*, *Pæclichthys barratti*, *Pæclichthys fusiformis*.)

This darter, which has appeared in the earlier lists as *Boleichthys elegans*, is southern in its Illinois distribution, not having occurred north of the Kaskaskia River. To the southward it is rather common in lakes, clear ponds, small rivers and creeks.

12. *Etheostoma asprigene*, Forbes.

(Bul. II, 41; *Pæclichthys asprigenis*: Synop., 518; do.)

This common species, originally described from the Illinois River, has since been found generally distributed in the central and southern parts of the State, in lakes and rivers, large and small, but has not been taken in Northern Illinois.

13. *Etheostoma cæruleum*, Storer.—BLUE DARTER; RAINBOW DARTER; SOLDIER-FISH.

(Bul. II, 41; *Pæclichthys variatus*, *Pæclichthys spectabilis*: Synop., 517 & 518; *Pæclichthys cæruleus*, *Pæclichthys spectabilis*.)

The most highly colored of our common darters, occurring throughout the State in lakes, rivers and creeks, much the most abundant in the latter.

14. *Etheostoma flabellare*, Raf.

Not common. Clear creeks and rivers in Southern Illinois.

15. *Etheostoma lineolatum*, Agassiz.—STRIPED DARTER.(Bul. II, 42; *Etheostoma flabellare*, var. *lineolatum*.)

Rather rare; chiefly from Northern Illinois, in creeks and rivers.

16. *Etheostoma zonale*, Cope.(Bul. II, 41; *Nanostoma zonale*: Synop., 510; do.)

This little darter is not common in Illinois, and is confined to the northern part of the State, as far as our collections show, where it occurs in creeks and the smaller rivers.

Genus 9. *HADROPTERUS*, Agassiz.17. *Hadropterus evides*, Jordan & Copeland.(Bul. II, 39; *Ericosma evides*: Synop., 503; *Alvordius evides*.)

Represented in our Illinois collections only by a few specimens from Rock River. Reported by Dr. Jordan from White River, Indiana, but apparently not collected elsewhere.

18. *Hadropterus aspro*, Cope. & Jordan.—BLACK-SIDED DARTER.(Bul. II, 39; *Alvordius maculatus*: Synop., 501; *Alvordius aspro*.)

This fine darter is rather common throughout the whole State in large creeks and small rivers, being especially abundant in the Wabash Valley and in the little Wabash, Saline and Embarras Rivers. A few specimens were taken also in the Illinois.

19. *Hadropterus phoxocephalus*, Nelson.(Bul. II, 39; *Alvordius phoxocephalus*: Synop., 501; do.)

This species, described from specimens taken in Central Illinois, has not yet been found in the northern part of the State, although it is decidedly common from the Illinois River southward, including the Wabash Valley. It occurs in our collections only from the larger streams; such as the Fox, Illinois, Saline and Little Wabash Rivers, and Mackinaw Creek.

Genus 10. *PERCINA*, Haldeman.

LOG PERCHES.

20. *Percina caprodes*, Raf.—LOG PERCH; ROCK-FISH; HOG-MOLLY; HOG-FISH.(Bul. II, 39; *Percina caprodes*, *Percina manitou*.)

The largest of its sub-family, and among the most abundant in the northern part of the State. Our collections contain specimens from the borders of Lake Michigan to Cairo and the Wabash Valley. In Northern Illinois it is extremely common in the small lakes and in the streams connected with them, and likewise occurs in other creeks.

Genus 11. COTTOGASTER, Putnam.

21. *Cottogaster shumardi*, Grd.(Bul. II, 39; *Imostoma shumardi*: Synop., 498; do.)

Somewhat rare in Illinois, and occurring chiefly in large streams. It has, in fact, been taken by us only from the Rock, Illinois and Wabash Rivers.

Genus 12. DIPLESIUM, Raf.

22. *Diplesium blennioides*, Raf.—GREEN-SIDED DARTER.

Found by us only in the Wabash Valley, where it is not rare. Collected from the Little Wabash, at Flora.

Genus 13. BOLEOSOMA, De Kay.

TESSELLATED DARTERS.

23. *Boleosoma camurum*, Forbes.(Synop., 498; *Vaillantia camurum*.)

This little species is wide-spread, but somewhat rare, occurring throughout the State in creeks and ponds, but much more abundantly to the southward.

24. *Boleosoma nigrum*, Raf.—JOHNNY DARTER.(Bul. II, 40; *Boleosoma olmstedii*, *Boleosoma maculatum*.)

By far the most abundant and widely distributed of the darters, occurring in almost all waters, though of course far more abundantly in creeks, and preferring rocky shallows. I do not know that it is ever found in foul or muddy situations. It ranges throughout the State from the Galena and Calumet rivers on the north, southward to Union county.

Genus 14. AMMOCRYPTA, Jordan.

25. *Ammocrypta asprella*, Jordan.-(Bul. II, 38; *Pleurolepis asprellus*.)

The only specimens of this species in our collections are the original types, taken in a small bluff stream in Hancock county. It is reported by Dr. Jordan, however, to range from Illinois to Alabama. The creek in which the type occurred is a muddy stream, with occasional reaches of gravelly bottom.

26. *Ammocrypta pellucida*, Baird.—SAND DARTER.(Bul. II, 38; *Pleurolepis pellucidus*.)

The range of this little darter is limited strictly by the character of the streams which it prefers, as it seems to occur only in somewhat swiftly running waters with sandy bottom. We have taken it in the Little Wabash and the Embarras, and some other creeks of the Wabash Valley, but not elsewhere in the State.

Sub-family CENTRARCHINÆ. (THE SUN-FISHES.)

Genus 15. MICROPTERUS, Lacépède.

BLACK BASS.

27. *Micropterus dolomieu*, Lac.—SMALL-MOUTHED BLACK BASS.(Bul. II, 44; *Micropterus salmoides*.)

Abundant in rivers and larger creeks, but occurring more rarely in lakes, preferring swifter water than the preceding species. It occurs throughout Illinois, but is relatively rare to the southward. Has been taken by us in the Wabash and some of its larger tributaries, but not elsewhere south of the Illinois River.

23. *Micropterus salmoides*, Lac.—LARGE-MOUTHED BLACK BASS; OSWEGO BASS; GREEN BASS; BAYOU BASS.(Bul. II, 44; *Micropterus pallidus*.)

The large-mouthed black bass favors especially lakes, ponds and sluggish waters, but occurs also in rivers and large creeks throughout Illinois. It is the common southern form of black bass, although perhaps, on the whole, no more abundant there than in the northern part of the State.

Genus 16. LEPOMIS, Raf.

29. *Lepomis gibbosus*, L.—COMMON SUN-FISH; BREAM; PUMPKIN-SEED; SUNNY.(Bul. II, 46; *Eupomotis aureus*.)

By far the most abundant sun-fish in Northern Illinois, where it literally swarms in every lake and pond. It occurs, however, throughout the State, but somewhat rarely southward, its place there being taken by *Chænobryttus gulosus*.

30. *Lepomis notatus*, Agassiz.(Bul. II, 46; *Eupomotis pallidus*.)

A rather rare species, occurring from the Illinois River southward, chiefly in ponds and larger streams.

31. *Lepomis pallidus*, Mitch.—BLUE SUN-FISH; COPPER-NOSED BREAM; DOLLARDEE; RIVER SUN-FISH.(Bul. II, 45; *Lepiopus pallidus*.)

Probably the most abundant of the sun fishes; its preëminence, however, in this respect being disputed by *Lepomis cyanellus* and *gibbosus*. Its distribution and its haunts are more varied than those of either of these species, as it is almost equally abundant in all parts of the State and occurs in all waters—in lakes, ponds, rivers

and smaller streams, from Lake Michigan and the Illinois to small creeks and ponds. It is, on the whole, most abundant in the larger rivers, being, in fact, the common sun-fish of the Illinois. Collected by us from Lake to Union county, and in the Wabash Valley.

32. *Lepomis humilis*, Grd.—RED-SPOTTED SUN-FISH.

(Bul. II, 45; *Lepiopomus anagallinus*.)

This species, common nowhere, is altogether wanting in Northern Illinois, ranging, according to our collections, from Woodford to Alexander county. It has been collected by us only in creeks.

33. *Lepomis megalotis*, Raf.—LONG-EARED SUN-FISH.

(Bul. II, 46; *Xenotis megalotis*, *Xenotis inscriptus*, *Xenotis pel-tastes*.)

Not especially common within our limits. Most abundant southward. Like most of the sun-fishes it prefers ponds and creeks to larger waters, although we have taken it occasionally in the Illinois River, and more commonly in the Wabash.

34. *Lepomis ischyrys*, Jordan & Nelson.

(Bul. II, 45; *Lepiopomus ischyrys*.)

Of this rare but well-marked species we have taken only the original type, obtained in the Illinois River; but Mr. Nelson has reported a second specimen, collected in the Calumet, near South Chicago. Its resemblances to *L. pallidus* are so strong that, even if abundant, it would probably be usually overlooked by collectors.

35. *Lepomis macrochirus*, Raf.

Not seen by me. Reported here on the authority of Dr. Jordan, who has a specimen of the species from the Illinois River.

36. *Lepomis garmani*, Forbes.

This species, but just described, has been seen only in the Wabash River and its tributaries, in the vicinity of Phillipstown and Cairo, in White county.

37. *Lepomis symmetricus*, Forbes.

This species, recently described and still rare in collections, has been taken only in ponds and streams in Central and Southern Illinois. It is found chiefly in the southern part of the State, especially in the Wabash Valley, but is occasionally seen in the Illinois River, and has been taken by us in Union county.

38. *Lepomis cyanellus*, Raf.—RED-EYE; BLUE SPOTTED SUN-FISH.

(Bul. II, 45; *Apomotis cyanellus*.)

This is the most abundant sun-fish of the small prairie streams and pools of Central Illinois, where, in fact, it is almost the only species occurring. It ranges throughout the State, from Cook to Union county, occurring in relatively small numbers in the rivers, but superabundantly in creeks and ponds.

Genus 17. CHÆNOBRYTTUS, Gill.

39. *Chænobryttus gulosus*, C. & V.—WARMOUTH; RED-EYED BREEM.

This sun-fish ranges throughout Illinois, but is far the most abundant southward, where it is one of the commonest species of its family. Indeed, we have not ourselves taken it north of the Illinois River, but Dr. Jordan reports specimens received from Lake Michigan. It is essentially a pond species, but occurs also in the larger streams. In the southern part of the State it receives several of the common names (such as Goggle-eye, Red-eye, etc.,) appropriated northward to the Rock-bass.

Genus 18. AMBLOPLITES, Raf.

40. *Ambloplites rupestris*, Raf.—COMMON ROCK-BASS; RED-EYE; GOGGLE-EYE.

Quite common northward, but relatively rare in Southern Illinois, where, indeed, we have not yet taken it. As its southern range, however, is said to extend to Louisiana, it probably occurs occasionally in the southern part of this State, and is reported by fishermen to be common in the rapids of the Wabash. In Northern and Central Illinois it is found in streams of all sizes, from small creeks to the Illinois River, and is also common in the smaller lakes.

Genus 19. POMOXYS, Raf.

CROPPIES.

41. *Pomoxys sparoides*, Lac. BLACK CROPPIE; CALICO BASS; GRASS BASS; BARFISH; BUTTER BASS.

(Bul. II, 47; *Pomoxys nigromaculatus*.)

Found, like the preceding, throughout Illinois, but commonest to the north, occurring in both lakes and streams; most abundant in the former.

42. *Pomoxys annularis* Raf.—CROPPIE; PALE CROPPIE.

Ranges throughout Illinois from Galena to Cairo. Confined principally to the larger streams and their immediate tributaries, it becomes rapidly more abundant as we pass from north to south, finally virtually replacing the preceding species.

Genus 20. CENTRARCHUS, C. & V.

43. *Centrarchus macropterus*, Lac.(Bul. II, 47; *Centrarchus irideus*.)

This is also a species confined in Illinois to the southern part of the State, where we have taken it in Cache River, in Clear and Drury Creeks, in Great House Creek near Mt. Carmel, and in various ponds and sloughs in the river bottoms of that region.

Family VI. ELASSOMATIDÆ.

Genus 21. ELASSOMA, Jordan.

44. *Elassoma zonatum*, Jordan.

A southern species, not collected by us north of St. Francisville, in Lawrence county. Not uncommon in small, muddy pools.

Family VII. APHREDODERIDÆ.

Genus 22. APHREDODERUS, Le Sueur.

45. *Aphredoderus sayanus*, Gilliams.—PIRATE PERCH.(Bul. II, 48; *Aphododerus isolepis*.)

Throughout the State from the Calumet to Union county and the Wabash, but far the most abundant southward. Occurs almost invariably in small streams only, but occasionally taken in the Illinois. One of the commonest species in mud holes in the Mississippi bottoms, in Southern Illinois. Very rare in the central prairie region.

Family VIII. ATHERINIDÆ. (THE SILVERSIDES.)

Genus 23. LABIDESTHES, Cope.

46. *Labidesthes sicculus*, Cope.—BROOK SILVERSIDE.

A very abundant minnow in small streams and lakes in Central and Northern Illinois; also occurs rarely in the Wabash Valley, commonly in Rock River, and occasionally in the Illinois.

Order II. HEMIBRANCHII.

Family IX. GASTEROSTEIDÆ. (THE STICKLEBACKS.)

Genus 24. GASTEROSTEUS, L.

47. *Gasterosteus inconstans*, Kirt.—BROOK STICKLEBACK.

Locally common in rivers and small streams in the northern part of the State only. We have not taken it south of Rock River.

Sub-class PHYSOSTOMI.

Order III. APODES.

THE EELS.

Family X. ANGUILLIDÆ. (THE TRUE EELS.)

Genus 25. ANGUILLA, Thunberg.

48. *Anguilla rostrata*, Le Sueur.—COMMON EEL.

Not very abundant, but occurring everywhere in streams of large and moderate size, throughout Illinois.

Order IV. HAPLOMI.

Family XI. ESOCIDÆ. (THE PIKES.)

Genus 26. ESOX, L.

49. *Esox nobilior*, Thompson.—MUSKALLUNGE.

Found by us only in Lake Michigan.

50. *Esox lucius*, L.—PIKE.

Throughout the State, but most abundant northward. Occurs also in Lake Michigan.

51. *Esox vermiculatus*, Le Sueur.—LITTLE PICKEREL.

(Bul. II, 53; *Esox salmoneus*, *Esox cypho*.)

An abundant species north and south, occurring most commonly, perhaps, in weedy lakes, but scarcely less frequent along weedy margins of rivers and smaller streams.

Family XII. UMBRIDÆ. (THE MUD MINNOWS.)

Genus 27. UMBRA, Müller.

52. *Umbra limi*, Kirt.—MUD MINNOW.

(Bul. II, 52; *Melanura limi*.)

Lakes and muddy ponds in northern and southern Illinois; not taken by us in the central part of the State. Occurs occasionally in running streams, as in Fox River, at McHenry.

Family XIII. CYPRINODONTIDÆ. (THE TOOTHED MINNOWS.)

Genus 28. GAMBUSIA, Poey.

53. *Gambusia patruelis*, B. & G.

(Bul. II, 52; *Zygonectes melanops*: Synop., 340 and 892; *Zygonectes melanops*, *Zygonectes inurus*.)

A southern species, not collected by us north of White county. Abundant in ponds and streams in the hill region of Southern Illinois.

A comparison of Illinois specimens of "*melanops*" with *Gambusia patruelis* from North Carolina, leaves no doubt of both generic and specific identity. Our Illinois examples were many of them with living young.

Genus 29. ZYGONECTES, Agassiz.

TOP MINNOWS.

54. *Zygonectes dispar*, Agassiz.

Throughout the State in small lakes, ponds, and creeks, and occurring rarely in the main stream of the Illinois River. Chiefly a pond species.

55. *Zygonectes notatus*, Raf.—TOP MINNOW.

Ranges throughout the State, but is far the most abundant southward. Common in small creeks and stagnant pools. Apparently able to live in any water.

Genus 30. FUNDULUS, Lacépède.

KILLIFISHES.

56. *Fundulus diaphanus*, Le Sueur.—SPRING MINNOW.

Abounds in the small lakes and streams of extreme Northern Illinois. Not seen in the central or southern parts of the State. It is somewhat abundant along the weedy margins of the small lakes, and has been found but once or twice by us in streams.

Family XIV. AMBLYOPSIDÆ. (THE BLIND FISHES.)

Genus 31. CHOLOGASTER, Agassiz.

57. *Chologaster papiliferus*, Forbes.

Confined to cave streams and limestone springs of Southern Illinois at their immediate origin in the bluffs. It is unquestionably a subterranean species.

Order V. ISOSPONDYLI.

Family XV. PERCOPSIDÆ. (THE TROUT PERCHES.)

Genus 32. PERCOPSIS, Agassiz.

58. *Percopsis guttatus*, Agassiz.—TROUT PERCH.

A common fish of the great lakes. Not often taken from rivers, but obtained by us a few times in the Illinois. Apparently frequents deep water.

Family XVI. SALMONIDÆ. (THE SALMON.)

Genus 33. SALVELINUS, Richardson.

TROUT.

59. *Salvelinus namaycush*, Walb.—MACKINAW TROUT; GREAT LAKE TROUT. .

(Bul. II, 54; *Ohristivomer namaycush*.)

Occurs only in Lake Michigan.

Genus 34. COREGONUS, L.

WHITE FISH.

60. *Coregonus artedi*, Le Sueur.—LAKE HERRING; CISCO; MICHIGAN HERRING.

Extremely abundant in Lake Michigan; occurring also in the small lakes of Indiana and Wisconsin (where it is known as the Cisco) but not in those of Illinois.

61. *Coregonus clupeiformis*, Mitch.—COMMON WHITE FISH.

Occurring only in Lake Michigan, and there, at present, chiefly in the deeper water outside the limits of this State.

Family XVII. DOROSOMATIDÆ. (THE GIZZARD SHADS.)

Genus 35. DOROSOMA, Raf.

62. *Dorosoma cepedianum*, Le Sueur. — GIZZARD SHAD; HICKORY SHAD; SKIP JACK.

One of the most abundant of our river fishes, and an extremely valuable article of food for the game species. It is confined to the larger rivers and their immediate tributaries, occurring in lakes and ponds only when left by the overflow. It was reported some years ago to have entered Lake Michigan by way of the canal, and to have multiplied there at an extraordinary rate; but I have not lately heard of it in those waters, nor seen it in the catches of the fishermen at South Chicago. We have obtained it from Galena to Cairo and the Wabash Valley, in the Mississippi, Ohio and Illinois Rivers and their larger and more immediate tributaries, and in ponds near St. Francisville.

Family XVIII. CLUPEIDÆ. (THE HERRINGS.)

Genus 36. CLUPEA, L.

HERRINGS.

63. *Clupea chrysochloris*, Raf.—OHIO SHAD; GOLDEN SHAD.

(Bul. II, 55; *Pomolobus chrysochloris*.)

One of the rarer fishes of our larger rivers, appearing in our collections only from the Illinois, Ohio and Mississippi Rivers. Said to have been introduced, through the canal, into Lake Michigan.

Family XIX. HYODONTIDÆ.

Genus 37. HYODON, Le Sueur.

MOON EYES.

- 64.
- Hyodon tergisus*
- , Le Sueur.—MOON EYE; TOOTHED HERRING.

A moderately common fish in the Illinois, Mississippi and Ohio Rivers, but not occurring in smaller streams.

- 65.
- Hyodon alosoides*
- , Raf.

Taken by us only in Galena River, in extreme Northern Illinois.

Order VI. EVENTOGNATHI.

Family XX. CYPRINIDÆ. (THE MINNOWS.)

Genus 38. NOTEMIGONUS, Raf.

- 66.
- Notemigonus chrysoleucus*
- , Mitch.—GOLDEN SHINER; BREAM.

In Illinois this species occurs everywhere, in waters of all descriptions—lakes, ponds, creeks and rivers, although most abundant in small ponds and muddy creeks.

Genus 39. OPSOPÆODUS, Hay.

- 67.
- Opsopæodus emilie*
- , Hay.

(Synop. 247; *Opsopæodus emilie*, *Trycherodon megalops*.)

This species has occurred sparingly in our collections throughout the State, and only in running streams or in lakes immediately connected with them. Very abundant in ponds near Mt. Carmel.

Genus 40. SQUALIUS, Bonaparte.

DACE.

- 68.
- Squalius elongatus*
- , Kirtland.—RED-SIDED SHINER.

Said by Dr. Jordan to occur in Lake Michigan and in Rock River. Not seen by us from Illinois.

Genus 41. SEMOTILUS, Raf.

- 69.
- Semotilus dissimilis*
- , Kirtland.—SPOTTED SHINER.

(Bul. II, 72; *Ceraticthys dissimilis*: Synop. 216; *Ceraticthys sterletus*.)

Has occurred in Illinois only in rivers and in lakes immediately connected with them. It has been collected by us in the Rock, Illinois and Ohio.

70. *Semotilus amblops*, Raf.—SILVER CHUB.

(Bul. II, 62; *Ceraticthys amblops*: Synop. 214; do.)

This fish has been obtained by us not rarely in Illinois, chiefly from the Ohio and the Wabash and the larger tributaries of the latter.

71. *Semotilus biguttatus*, Kirt.—HORNY HEAD; RIVER CHUB; JERKER.

(Bul. II, 62; *Ceraticthys biguttatus*: Synop. 212; do.)

This species seems limited, in Illinois, to creeks and rivers, and has not occurred in our collections south of the center of the State.

72. *Semotilus corporalis*, Mitch.—CHUB; HORNED DACE.

Almost wholly confined to small streams, in which it is, in Illinois, the most abundant minnow, commonest in those with muddy bottom; but a few have been obtained in the Illinois River, from lakes in the Illinois bottoms, and from the Little Wabash. It ranges throughout the State.

Genus 42. PLATYGOBIO, Gill.

FLAT-HEADED CHUBS.

73. *Platygobio pallidus*, Forbes.

A single specimen of this very rare species, obtained in the Ohio River at Cairo, is the only one hitherto taken.

Genus 43. COUESIUS, Jordan.

74. *Couesius prothemius*, Cope.

Not in our collection. Specimens from near Evanston, taken in Lake Michigan, are said by Dr. Jordan to be in the National Museum.

Genus 44. RHINICHTHYS, Agassiz.

75. *Rhinichthys atronasus*, Mitch.—BLACK-NOSED DACE.

(Bul. II, 62 and 63; *Rhinichthys cataractæ*, *Rhinichthys obtusus*, *Rhinichthys meleagris*: Synop. 207, 208; *Rhinichthys cataractæ*, *Rhinichthys atronasus*, *Rhinichthys obtusus*.)

This is essentially a brook species, delighting especially in swift and rocky streams. We have not found it in Southern Illinois, its localities being confined, in our experience, to the northern half of the State. Its relative rarity here is doubtless due to the infrequent occurrence of suitable streams.

Genus 45. PHENACOBIOUS, Cope.

76. *Phenacobius mirabilis*, Grd.(Bul. II, 61; *Phenacobius scopiferus*.)

Occurs somewhat rarely throughout the State, from Galena to extreme Southern Illinois; almost invariably in small swift streams, or in the rapid, rocky parts of more sluggish creeks.

Genus 46. ERICYMBA, Cope.

77. *Ericymba buccata*, Cope.

We have found this species only in the sandy stretches of the tributaries of the Wabash, where it is locally very abundant.

Genus 47. NOTROPIS, Raf.

SHINERS.

78. *Notropis dinemus*, Raf.—EMERALD MINNOW.(Bul. II, 60; *Notropis rubrifrons*, *Notropis atherinoides*: Synop., 202 and 203; *Minnilus rubellus*, *Minnilus dinemus*, *Minnilus rubrifrons*.)

Excessively abundant; far commonest northward, but confined everywhere almost strictly to the larger lakes and rivers. Not a single specimen has occurred in our collections from the smaller lakes in Northeastern Illinois, while the waters of Lake Michigan, a few miles distant, were swarming with them along the shore. Not abundant in the Ohio and northern Mississippi, but rather common in the Illinois. From the smaller tributaries of these streams we have not so much as one of this species. In the Wabash and Saline Rivers, in Southern Illinois.

79. *Notropis macrolepidotus*, Forbes.

A very rare minnow, taken thus far only from the Illinois River.

80. *Notropis atripes*, Jordan.—RED FIN.(Bul. II, 59; *Lythrurus atripes*, *Lythrurus diplæmius*: Synop., 197; *Minnilus atripes*, *Minnilus diplæmius*.)

This species prefers especially small clear streams, in which it is occasionally abundant; but owing probably to the relative scarcity of such waters in Illinois, it occupies a subordinate place among our cyprinoids. It is commonest in the extremes of the State, occurring but rarely throughout the central prairie region.

81. *Notropis jejunus*, Forbes.(Bul. II, 60; *Episema jejuna*: Synop., 194; *Minnilus jejunus*.)

A species of the larger rivers, occurring in our collections only from the Ohio, Illinois, Wabash and Mississippi, or at short distances from these streams, in lakes and tributaries immediately connected with them. Not taken in Northern Illinois.

82. *Notropis megalops*, Raf.—SHINER, RED-FIN, DACE.(Bul. II, 57; *Luxilus cornutus*: Synop., 186; *Minnilus cornutus*.)

An extremely abundant fish, perhaps the commonest of the cyprinoids; most common in rivers and creeks and to the northward, but also found in Southern Illinois, and occasionally in lakes and ponds.

83. *Notropis whipplei*, Grd.—SILVER-FIN.(Bul. II, 57; *Photogenis analostanus*: Synop., 178 and 179; *Cliola whipplei*, *Cliola analostana*, etc.: M. V., 294; *Luxilus analostanus*.)

Most abundant in the northern part of Illinois, occurring principally in rivers and larger creeks, but likewise rather common southward. It is not unknown from the lakes, but we have found it almost strictly confined to running water.

84. *Notropis lutrensis*, B. & G.(Bul. II., 57; *Cyprinella forbesi*: Synop., 174 and 175; *Cliola forbesi*, *Cliola lutrensis*, etc.: M. V., 406; *Cyprinella forbesi*.)

This active little fish delights in the rocky ripples of swift, small streams. It is essentially a southern species, and is much the most abundant to the southward in this State. Along the Mississippi, however, its range extends to extreme Northern Illinois. We found it in great numbers in some creeks in western Hancock county. The small, swift streams running down from the bluffs of the Mississippi River are its favorite haunts. A few specimens have been taken in the Illinois, but it is not known from the lakes, from the Wabash region, or from the small interior streams.

85. *Notropis hudsonius*, Clinton.—SPAWN-EATER.(Bul. II., 56; *Alburnops hudsonius*, *Alburnops storerianus*: Synop., 171; *Cliola hudsonius*: M. V., 290; *Hybopsis hudsonius*.)

Common everywhere to the northward, especially in Lake Michigan and the smaller lakes of Northern Illinois. Collected to our extreme southern limits, but not abundant south of the central part of the State. Next to the lakes we have found it most abundant in the Illinois River, and it has occurred likewise in smaller streams from the Calumet River, in Chicago, to the larger creeks of Union county.

86. *Notropis phenacobius*, Forbes.

Very rare, at Peoria; not seen elsewhere.

87. *Notropis stramineus*, Cope.—STRAW-COLORED MINNOW.

(Bul. II., 57; *Alburnops stramineus*: Synop., 167; *Cliola stramineus*: M. V., 291; *Hybopsis stramineus*.)

This species is rare in our collections, and has occurred only in rivers and small streams in Central and Northern Illinois.

88. *Notropis fretensis*, Cope.

(Bul. II., 57; *Alburnops fretensis*: Synop., 167; *Cliola fretensis*: M. V., 292; *Hybopsis fretensis*.)

Very rare in Illinois; not more than a single specimen among all our cyprinoids certainly belonging to this species.

89. *Notropis anogenus*, Forbes.

Thus far taken only in Fox River, at McHenry, Illinois.

90. *Notropis heterodon*, Cope.

(Bul. II., 62; *Hemitremia heterodon*: Synop., 163; do.)

This is, within our limits, essentially a species of lakes and larger streams in Northern Illinois, although the form with perfect lateral line has been collected in small numbers from the southern extremity of the State. It is one of the most abundant minnows in the small lakes, northward. It likewise inhabits the Illinois River and the bottom lakes communicating with that stream.

Genus 48. CLIOLA, Girard.

SILVER FINS.

91. *Cliola vigilax*, B. & G.

(Bul. II., 56; *Alburnops tuditanus*: Synop., 165; *Oliola tuditana*.)

Abundant in small streams throughout Illinois. Seems to have been usually confounded with *Pimephales notatus*, to which it bears a strong general resemblance.

Genus 49. PIMEPHALES, Raf.

FAT-HEADS.

92. *Pimephales notatus*, Raf.—BLUNT-NOSED MINNOW.

(Bul. II., 55 and 56; *Hyborhynchus notatus*, *Hyborhynchus superciliosus*: Synop., 159 and 160; do.)

One of the commonest of our fishes; extremely abundant in the prairie streams which characterize so large a part of Illinois. It chiefly

affects, however, gravelly spots in muddy streams. It is not common in rivers, but is occasionally taken at the mouths of creeks. It has not been found by us in ponds, but specimens were collected from the small lakes of Northern Illinois.

93. *Pimephales promelas*, Raf.—FAT-HEAD; BLACK-HEADED MINNOW.

The distribution of this fish in the State is somewhat peculiar. The species is altogether absent, as far as our collections indicate, from the prairie streams of Central Illinois. It is not uncommon in small muddy creeks connected with the larger rivers, and occurs occasionally in these latter streams themselves. We have not taken it in lakes or ponds or similar waters, neither has it occurred to us in Illinois south of the latitude of Alton.

Genus 50. *HYBOGNATHUS*, Agassiz.

94. *Hybognathus nubilus*, Forbes.

(Bul. II, 56; *Alburnops nubilus*: Synop., 167; *Cliola nubila*.)

This minnow has thus far been reported only from Illinois, and has occurred in our collections only from the extreme northern part of the State—from the Rock River and its tributaries.

95. *Hybognathus nuchalis*, Agassiz.—SILVERY MINNOW.

Almost strictly a river species, being most abundantly represented in our collections from the Illinois, and next from the Wabash, Ohio and Mississippi. We have not taken it in any lake or pond outside the great river bottoms, and it has occurred but rarely in creeks.

Genus 51. *CHROSOMUS*, Raf.

96. *Chrosomus erythrogaster*, Agassiz.—RED-BELLIED DACE.

This species has occurred sparingly in our collections, but from all parts of the State, both in rivers and small streams. We have not taken it, however, from lakes or ponds.

Genus 52. *OXYGENEUM*, Forbes.

97. *Oxygeneum pulverulentum*, Forbes.

Only a single specimen of this genus and species is thus far known, and this was taken from the Illinois River, at Peoria.

Genus 53. *CAMPOSTOMA*, Agassiz.

98. *Campostoma anomalum*, Raf.—STONE-ROLLER; STONE-LUGGER.

This species is very common in small streams throughout the State, from Galena to Cairo, and occurs occasionally in rivers, but rarely or never in lakes and ponds.

Family XXI. CATOSTOMIDÆ. (THE SUCKERS.)

Genus 54. PLACOPHARYNX, Cope.

BIG-JAWED SUCKERS.

99. *Placopharynx carinatus*, Cope.

This species has not actually occurred in our personal collections from Illinois, but has been received by Dr. Jordan from the Illinois River, and is said by fishermen to be rather common in the Wabash. Its resemblances, to *Moxostoma* are so strong that it would very probably be passed by collectors as belonging to that genus.

Genus 55. MOXOSTOMA, Raf.

RED HORSE.

100. *Moxostoma aureolum*, Le S.

Distribution like that of the following species, from which it is, in my opinion, but doubtfully distinct. Less common in Illinois than *macrolepidotum*.

101. *Moxostoma macrolepidotum*, Le Sueur.—COMMON RED HORSE; MULLET; WHITE SUCKER; LARGE-SCALED SUCKER.

(Bul. II, 63 and 64; *Myxostoma macrolepidotum*, *Myxostoma velatum*.)

Very abundant everywhere in lakes, rivers, and smaller streams. It inhabits Lake Michigan and the smaller lakes in Northern Illinois, and is not less common to the southward. Where the common sucker is not known its name is appropriated to this species, the name of "red horse" being rarely heard in Southern Illinois.

102. *Moxostoma carpio*, Val.—CARP MULLET.

Said by Dr. Jordan to occur in the Great Lakes. Not positively identified by me in Illinois, the common lake mullet of South Chicago not being clearly different, to my mind, from *Moxostoma macrolepidotum*.

Genus 56. MINYTREMA, Jordan.

SPOTTED SUCKERS.

103. *Minytrema melanops*, Raf.—SPOTTED MULLET; STRIPED SUCKER.

Moderately common in streams throughout the State.

Genus 57. ERIMYZON, Jordan.

104. *Erimyzon sucetta*, Lac.—CREEK-FISH; CHUB-SUCKER.

Everywhere abundant in streams and lakes, ascending creeks in spring. Occurs in our collections from McHenry to Union county.

Genus 58. CATOSTOMUS, Le Sueur.

SUCKERS.

105. *Catostomus nigricans*, Le Sueur.—HOG-SUCKER; STONE-ROLLER; TOTER; CRAWL-A-BOTTOM; HAMMER-HEAD; STONE-LUGGER; HOG-MOLLY.

Occurs chiefly in streams, and frequents their rapids and shallows, in clear water. Commonest to the northward, probably owing to the clearer and more rocky character of the streams of that part of Illinois. Taken rarely in lakes.

106. *Catostomus teres*, Mitch.—COMMON SUCKER; WHITE SUCKER; BROOK SUCKER; FINE-SCALED SUCKER.

(Bul. II, 64; *Catostomus commersonii*: Synop. 129; do.)

Abundant northward, occurring rarely in the Illinois as far south as Peoria, and still more rarely in the extreme southern part of the State. Where it is abundant, it inhabits nearly all waters, both lakes and flowing streams. It is common in Lake Michigan.

Genus 59. CYCLEPTUS, Raf.

BLACK HORSE.

107. *Cycleptus elongatus*, Le Sueur.—BLACK HORSE; GOURD-SEED SUCKER; MISSOURI SUCKER.

Rare in this State, occurring only in the larger rivers. Taken by us only from the Illinois.

Genus 60. ICTIOBUS, Raf.

BUFFALO FISHES.

108. *Ictiobus cyprinus*, Le Sueur.—CARP SUCKER; RIVER CARP.

(Bul. II, 65; *Carpiodes velifer*, *Carpiodes selene*, *Carpiodes cutisan-serinus*, *Carpiodes difformis*, *Carpiodes bison*, *Carpiodes cyprinus*, *Carpiodes thompsoni*, *Carpiodes carpio*: Synop., 113, 119, 120; *Carpiodes carpio*, *Carpiodes thompsoni*, *Carpiodes bison*, *Carpiodes cyprinus*, *Carpiodes difformis*.)

Abundant in the great rivers of the State and their larger tributaries, and also in Lake Michigan and the smaller lakes of Northern Illinois. Extremely common in the lakes and ponds of the river bottoms.

After prolonged study of the so-called species of native carp represented in our collections, I have been compelled to merge them all in one, under the oldest specific name.

109. *Ictiobus bubalus*, Raf.—SMALL-MOUTHED BUFFALO; QUILL BACK BUFFALO.

(Bul. II, 66; *Bubalichthys cyanellus*: Synop., 116; *Bubalichthys altus*; M. V., 324 and 325; *Bubalichthys altus*, *Bubalichthys bubalinus*.)

A very abundant fish in the larger streams, and in the bottom lakes; this and the red-mouth being the species commonly shipped under the name of "buffalo fish," from the Illinois and the other larger rivers. They are among the most important commercial fishes in our streams.

110. *Ictiobus urus*, Agassiz.—BIG-MOUTHED BUFFALO; BLACK BUFFALO; MONGREL BUFFALO.

Bul. II, 65; *Bubalichthys urus*: M. V., 323; *Ichthyobus cyanellus*.)

Taken by us only in the Illinois River, where it is somewhat rare.

111. *Ictiobus cyprinellus*, C. & V.—RED-MOUTH BUFFALO.

(Bul. II, 65; *Ichthyobus bubalus*: Synop., 114; *Ictiobus bubalus*.)

One of the most abundant edible fishes in the larger rivers and their lakes, ascending the smaller creeks in spring. In the Laboratory collections from the Illinois and its larger tributaries, and from the Ohio and Wabash.

Order VII. NEMATOGNATHI.

Family XXII. SILURIDÆ. (THE CAT-FISHES.)

Genus 61. Ictalurus, Raf.

112. *Ictalurus furcatus*, C. & V.

Confined, in our experience, to southern localities, and taken by us only in the Ohio. Not known in the Illinois River, as far as I am aware; known to the southward, at least, as the channel cat or blue cat. I have not taken this species in creeks.

113. *Ictalurus punctatus*, Raf.—WILLOW CAT; CHANNEL CAT; WHITE CAT.

(Bul. II, 66; *Ichthæurus punctatus*, *Ichthæurus robustus*.)

Abundant from the larger rivers, reaching a weight of from 20 to 25 pounds.

Found in the deeper water of the Mississippi, Ohio, and Illinois, and occurring likewise in the larger creeks connected with these streams, and occasionally in overflow ponds in the river bottoms.

114. *Ictalurus ponderosus*, Bean.—GREAT CAT-FISH.

One of the gigantic cat-fishes. Described from the Mississippi at St. Louis. Has not occurred in our collections, unless some specimens belong to it which are apparently intermediate between this and *Ictalurus nigricans*. I doubt if it is distinct from the latter.

115. *Ictalurus nigricans*, Le Sueur.—CAT-FISH OF THE LAKES; GREAT FORK-TAIL CAT; MISSISSIPPI CAT; FLORIDA CAT; FLANNEL-MOUTH CAT.

Bul. II, 66; *Amiurus nigricans*: Synop., 108; *Ictalurus lacustris*.

One of the gigantic cat-fishes of the Ohio, Illinois and Mississippi, and of Lake Michigan. Probably the most abundant of the large species.

116. *Ictalurus natalis*, Le Sueur.—YELLOW CAT.

Bul. II, 66; *Amiurus natalis*: Synop., 105; do.)

Occurs everywhere throughout Illinois, but less abundantly than *nebulosus*, and preferring larger streams. It has not been taken by us from ponds and lakes except where these were immediately connected with streams subject to overflow.

117. *Ictalurus nebulosus*, Le Sueur.—BULL-HEAD; HORNED POUT; SMALL CAT-FISH.

(Bul. II, 66; *Amiurus vulgaris*, *Amiurus catus*, *Amiurus melas*, *Amiurus xanthocephalus*: Synop., 104; *Amiurus xanthocephalus*, *Amiurus melas*, *Amiurus catus*.)

Abundant in all waters, frequenting by preference ponds and muddy streams. It occurs, however, in clear lakes and creeks, and has been taken by us occasionally in the larger rivers. It is the everywhere abundant "bull-head," or "bull-pout."

118. *Ictalurus marmoratus*, Holbrook.—MARBLED CAT.

(Bul. II, 67; *Amiurus marmoratus*: Synop., 104; do.)

The Marbled Cat has not occurred in the northern part of the State, but seems to be most abundant in the Illinois and its tributaries. Confined almost wholly to the larger streams and their immediate affluents, in Central and Southern Illinois.

Genus 62. LEPTOPS, Raf.

MUD CATS.

119. *Leptops olivaris*, Raf.—MUD CAT; YELLOW CAT.

Bul. II, 67; *Pelodichthys olivaris*.

Common in the larger streams. Obtained by us only from the Illinois, Wabash and Ohio Rivers.

Genus 63. NOTURUS, Raf.

STONE CATS.

120. *Noturus flavus*, Raf.—COMMON STONE-CAT.

Rather common in Illinois, in creeks of moderate size.

121. *Noturus exilis*, Nelson.

Rare in this State, only two specimens occurring in our collections besides the original type. Creeks in DeKalb, Woodford and Union Counties.

122. *Noturus miurus*, Jordan.

Taken by us only in Southern Illinois, in the Cache and Wabash Rivers.

123. *Noturus gyrinus*, Mitch.

(Bul. II, 68; *Noturus sialis*.)

This species occurs throughout Illinois, but has been confined in our collections mostly to lakes, rivers, and large creeks. It is not by any means restricted to rocky situations, but seems rather to prefer the muddy parts of both the rivers and lakes in which it occurs.

Sub-class HOLOSTEI.

(THE BONY GANOIDS.)

Order VIII. HALECOMORPHI.

Family XXIII. AMIIDÆ.

Genus 64. AMIA, L.

124. *Amia calva*, L.—MUD-FISH; DOG-FISH; GRINDLE.

Very abundant throughout the State, in the lakes and larger streams, and also common in ponds in Southern Illinois.

Order IX. GINGLYMODI.

Family XXIV. LEPIDOSTEIDÆ. (THE GAR Pikes.)

Genus 65. LITHOLEPIS, Raf.

125. *Litholepis tristæchus*, Bloch & Schneider.—ALLIGATOR GAR.

(Bul. II, 69. *Litholepis spatula*.)

Not common in Illinois, occurring somewhat rarely in the Ohio and Mississippi Rivers, occasionally in the Illinois, and in at least a single instance, in the Big Muddy, near Carbondale.

Genus 66. *LEPIDOSTEUS*, Lacépède.126. *Lepidosteus platystomus*, Raf.—SHORT-NOSED GAR.

One of the most abundant of the larger Illinois fishes, rarely occurring, however, in the smaller streams, and confined chiefly to the larger rivers and the lakes and ponds connected with their waters. It is also taken in Lake Michigan.

127. *Lepidosteus ossesus*, L.—LONG-NOSED GAR; BILL-FISH; COMMON GAR PIKE.

Generally abundant in the larger streams throughout the State, and taken by us in the Illinois, Mississippi and Ohio. Occurs also in the smaller lakes in Northern Illinois.

Sub-class CHONDROSTEI.

Order X. GLANIOSTOMI.

(THE STURGEONS.)

Family XXV. ACIPENSERIDÆ.

Genus 67. *SCAPHIRHYNCHOPS*, Gill.128. *Scaphirhynchops platyrhynchus*, Raf.—SHOT-EL-NOSED STURGEON; WHITE STURGEON.

Taken by us somewhat rarely in the Ohio and Mississippi Rivers at Cairo, and in the Illinois at Peoria.

Genus 68. *Acipenser*, L.129. *Acipenser rubicundus*, Le Sueur.—LAKE STURGEON; OHIO STURGEON; BLACK STURGEON; STONE STURGEON; ROCK STURGEON.

(Bul. II, 69; *Acipenser maculosus*, *Acipenser rubicundus*.)

Ohio, Mississippi and Illinois Rivers and Lake Michigan. Reaches, in the last, a weight of a hundred and fifty pounds, or more. The characters vary greatly with age and size.

Order XI. SELACHOSTOMI.

Family XXVI. POLYODONTIDÆ.

Genus 69. *POLYODON*, Lacépède.130. *Polyodon spathula*, Wall.—SHOT-EL-FISH; PADDLE-FISH; SPOON-BILL CAT; DUCK-BILL CAT.

(Bul. II, 69; *Polyodon folium*.)

Abundant in the Mississippi and Illinois Rivers, and especially in the ponds and lakes in the bottoms of these streams. Rarely, if ever, ascending smaller streams, and not collected by us in any of the interior lakes. Not known from Lake Michigan. Hausman

Bros., a firm of fishermen at South Chicago, reported the capture of a single specimen of this species in the Calumet River, probably an emigrant by way of the canal.

Class II. MARSIPOBRANCHII.

(THE MYZONTS.)

Order XII. HYPEROARTIA.

Family XXVII. PETROMYZONTIDÆ (THE LAMPREYS.)

Genus 70. ICHTHYOMYZON, Girard.

SILVERY LAMPREYS.

131. *Ichthyomyzon argenteus*, Kirt.—SILVERY LAMPREY.

(Bul. II, 70; *Ammocetes argenteus*, *Ammocetes hirudo*.)

Collected by us chiefly in the Illinois and Ohio Rivers, attached to shovel-fish, cat-fish, sturgeon, buffalo and other large species, as taken in the nets of the fishermen.

Genus 71. AMMOCETES, Duméril.

BROOK LAMPREYS.

132. *Ammocetes niger*, Raf.—SMALL BLACK LAMPREY.

A small species, which we have found only in small streams in the northern part of the State. Especially abundant in spring, at the spawning season.

SUMMARY AND CONCLUSION.

The especial characteristics of the fish fauna of the State as distinguished from other zoölogical areas, are the preëminence of the Catostomidæ and the Siluridæ, (the suckers and the cat-fishes), and of the sunfishes, darters and minnows. The shovel-fish, the various species of gars, and the dog-fish are likewise among the characteristic features of our fauna, as is also the excessive abundance of the hickory shad.

The limited share of Illinois in Lake Michigan, not extending into water of more than twelve or fifteen fathoms, gives us but a small group of species peculiar to the great lakes, viz: the common white fish, the lake herring, the lake trout, the muskallunge and the burbot.

NUMERICAL DATA.

It will be seen that the fishes of Illinois, as shown by this list, represent 132 species, which are here distributed among 71 genera and 27 families.

A cursory summary, in popular terms, of the number of species by which each leading family is represented, will have its interest to the general reader.

The largest family of our fishes is the perches (Percidæ), including the sunfishes, darters, and true perch. It is represented in our fauna by thirty-eight species and sixteen genera, nearly half of which (eighteen species) are the little darters, while the sunfishes (seventeen species) include most of the remainder. The next largest family is that of the true minnows (Cyprinidæ), represented by thirty-three species, distributed among sixteen genera. There are twelve species of cat-fishes, four of them the small stone cats, rarely seen by fishermen, and thirteen of the sucker family, four of them buffalo fishes. The sea bass are represented by two species; the sheepshead by one; the fresh water sculpins by one, and the cod-fish family by but one, the burbot. There are three of the salmon family within our limits, all from the lake; one "blind" fish, one trout perch, four toothed minnows, three species of pike, and one each of the mud minnows, eels, sticklebacks, silversides, pirate perches and elasmomes. The lampreys are represented by two species, the shovel-fish by one, the sturgeons by two and the gars by three. We have also the one dog-fish, two moon-eyes, one representative of the shad family, and the hickory shad.

DISTRIBUTION OF SPECIES.

A few brief notes respecting the peculiarities of distribution in Illinois will not be without interest. The extraordinary length of this State, from north to south, extending through nearly six degrees of latitude, the southern extremity lying in the southern (Australoriparian) zoölogical region, and the northeastern corner covering a portion of the Great Lake area, gives us an unusual number of species whose range does not extend throughout our territory; some being strictly southern, others as strictly northern, and still others extending their range from the north southward, or from the south northward, without actually reaching the opposite extremity of the State. For the purpose of presenting these facts of distribution in a compact and summary manner, I append lists of species peculiar to the different parts of Illinois, so far as our present knowledge extends, it being taken for granted, of course, that my references to distribution relate only to Illinois.

The first list includes those species which are found in the northern part of the State, and do not occur to the southward, meaning thereby those found in Illinois north of the Illinois River on the parallel of Ottawa and La Salle.

The second list includes those northern species which extend more or less to the southward, but do not reach the hilly region of Southern Illinois beyond the Big Muddy River, or the valley of the Wabash south of Vincennes.

The third list includes the Southern Illinois species, which extend northward beyond the limits of the region just mentioned, but do not pass the Illinois River to the north beyond La Salle and Ottawa.

The fourth and final list includes those species which are confined to Southern Illinois, as above limited.

Two species, *Notropis microlepidotus* and *Oxygeneum pulverulentum*, have occurred in the central part of the State, but not in either extremity, but as these are represented only by single specimens each, this fact has no geographical significance.

Another species, *Umbra limi*, occurs in the two extremities of the State, but not in the center,—a peculiarity explained by the preference of the species for waters not occurring in Central Illinois.

NORTHERN.

Lota maculosa, *Perca americana*, *Etheostoma eos*, *Etheostoma lineolatum*, *Etheostoma zonale*, *Hadropterus evides*, *Gasterosteus inconstans*, *Esox nobilior*, *Fundulus diaphanus*, *Salvelinus namaycush*, *Coregonus artedii*, *Coregonus clupeiformis*, *Hyodon alsoides*, *Squalius elongatus*, *Couesius prothemius*, *Notropis anogenus*, *Hybognathus nubilus*, *Ammocetes niger*.

(Eighteen species.)

NORTHERN AND CENTRAL.

Lepomis gibbosus, *Lepomis ischyrus*, *Labidesthes sicculus*, *Peropsis guttatus*, *Rhinichthys atronasmus*, *Pimephales promelas*, *Catostomus teres*.

(Seven species.)

SOUTHERN AND CENTRAL.

Roccus interruptus, *Etheostoma asprigene*, *Hadropterus phoxocephalus*, *Lepomis notatus*, *Lepomis humilis*, *Lepomis symmetricus*, *Notropis jejunos*, *Notropis lutrensis*, *Placopharynx carinatus*, *Ictiobus cyprinellus*, *Ictalurus marmoratus*, *Litholepis tristæchus*, *Scaphirhynchops platyrhynchus*, *Polyodon spathula*.

(Fourteen species.)

SOUTHERN.

Etheostoma fusiforme, *Etheostoma flabellare*, *Diplesium blennioides*, *Lepomis garmani*, *Centrarchus macropterus*, *Elassoma zonatum*, *Gambusia patruelis*, *Chologaster papiliferus*, *Platygobio pallidus*, *Ericymba buccata*.

(Ten species.)

ECONOMIC RELATIONS.

Our most valuable food fishes are found chiefly in the perch and salmon families: in the former the common perch, the sauger, (or "jack salmon"), the wall-eyed pike, the croppies, and the two black bass; and in the latter, the white-fish, the lake trout, and the lake herring.

But little inferior to the perches are the two principal members of the pike family—the common pike and the muskallunge. Inferior but always salable species are found among the cat-fishes, the

sucker family and the smaller sun-fishes—the larger species of the first and the three buffalo-fishes being more generally and widely marketed than all other species together. Our river carp, a nearly worthless fish, included with the suckers, is not at all to be confounded with the European carp, the two belonging, in fact, to different families. The sturgeon, the sheepshead, the white bass, the striped bass, most of our sun-fishes, and the burbot of the lakes are also generally eaten. Indeed, even the dog-fish and the shovel-fish are esteemed for food in some localities.

Briefly, we may say that of our one hundred and thirty-two native fishes, about twelve are of superior quality; six, at least,—the white-fish, the lake trout, the two pike perch and the two black bass, being among the best of all fresh water fishes. Eighteen others are of fair and always merchantable quality, and at least a dozen more are really to be classed as edible, although they are not always eaten.

Besides these forty or more directly useful species, nearly all the others are to be considered indirectly valuable, as affording indispensable food to the edible kinds, especially to the best of these, the most highly-prized game fishes. While it may be an open question whether some of the poorer food-fishes on our list do not more harm than good by appropriating food which would otherwise maintain a large number of their betters, the absolutely injurious species—those which inflict injury and render no benefit, direct or indirect, in return—are only the two lampreys and the three gars, the first being parasites and the others predaceous species which are never eaten themselves, either by fishes or by men.

I think that no one, with these facts in mind, can for a moment doubt that the native fish fauna of Illinois is well worthy of careful study and of most solicitous protection. Its value, present and prospective, now little understood, will become more and more evident as the people of the State become better educated in our local natural history, and will, in fact, rapidly appreciate as food becomes more costly, and as the intelligent and well-directed efforts of our State Fish Commission bear their necessary fruit. It is the writer's own opinion that the preservation and improvement of our native fishes, already adapted to our climate, waters, and peculiar conditions of life, afford a far more promising field of practical fish culture than the importation of foreign species, except, perhaps, the European carp.

CHAMPAIGN, ILL., December 30, 1884.

THE FOOD OF FISHES.*

BY S. A. FORBES.

For a clear conception of the general and intricate interdependence of the different forms of organic life upon the earth, one can not do better than to study thoroughly the life of a permanent body of fresh water,—a river or smaller stream, or, better than these, a lake. The animals of such a body of water are, as a whole, curiously *isolated*,—closely related among themselves in all their interests, but so far independent of the life of the land about them that, if every terrestrial plant and animal were annihilated, it would doubtless be long before the general multitude of the inhabitants of the lake or stream would feel the effects of this event in any very important way.

Further, the greater difficulty of communication between the different parts of a water system as compared with the different regions of the land, is such that the former are much the more sharply limited. There is very much less interchange of all kinds between two branches of the same stream, for example, than between the tracts of land which they separate. Consequently, one finds in a single body of water a far more complete and independent equilibrium of organic life and activity than in any equal body of land. It forms a little world within itself,—a microcosm within which all the elemental forces are at work and the play of life goes on in full, but on so small a scale as to bring it easily within the mental grasp.

Nowhere can one see more clearly illustrated what may be called the *sensibility* of such an organic complex,—expressed by the fact that whatever affects any species belonging to it, must speedily have its influence of some sort upon the whole assemblage. He will thus be made to see the impossibility of studying any form successfully out of relation to the other forms,—the necessity for taking a comprehensive survey of the whole as a condition to a satisfactory understanding of any part. If one wishes to become acquainted with the black bass, for example, he will learn but little if he limits himself to that species. He must evidently study also the species upon which it depends for its existence, and the various conditions upon which *these* depend. He must likewise study the species with which it comes in competition, and the entire system of conditions affecting their prosperity. Leaving out any of these, he is like one who undertakes to make out the construction of a watch, but over-

* From Bull. No. 3, Ill. State Lab. Nat. Hist., November, 1880.

looks one wheel; and by the time he has studied all these sufficiently, he will find that he has run through the whole complicated mechanism of the aquatic life of the locality, both animal and vegetable, of which his species forms but a single element.*

In such a general survey of the plants and animals of a region, the study of their food relations will be found to afford an admirable objective point. Doubtless, of all the features of the environment of an individual, none affect it at the same time so powerfully, so variously and so intimately as the elements of its food. Even climate, season, soil and the inorganic circumstances generally, influence an animal through its food quite as much as by their direct action. It is through the food relation that animals touch each other and the surrounding world at the greatest number of points, here they crowd upon each other the most closely, at this point the struggle for existence becomes sharpest and most deadly; and, finally, it is through the food relation almost entirely that animals are brought in contact with the material interests of man. Both for the student of science and for the economist, therefore, we find this subject of peculiar interest and value. It includes many of the most important relations of a species, and may properly be made the nucleus about which all the facts of its natural history are gathered.

In a paper on the food of Illinois fishes, published in the second bulletin of this Laboratory, the subject was treated in a general and cursory way, the amount of material upon which that paper was based being insufficient for exact or detailed description. The favor with which that preliminary notice was received, has made it possible to undertake a more serious investigation; and this paper contains an account of the food of the Acanthoptera of the State which I believe to be nearly or quite sufficient for the student of science and for the practical fish culturist. It is still necessary only to study the food of specimens under a half-inch in length, and to test the value of the general conclusions here reached, by occasional examinations of fishes taken from other waters at other seasons of the year. Among the results of this study, those relating to the food of the young are especially worthy of attention, and these have therefore been summed up separately.

The explanation of certain structural conditions about the mouth, throat and gills, has proceeded so far as to make it very likely that a number of definite general correspondences between structure and food will be made out, which will enable us to tell with considerable accuracy and detail what the food of an unknown fish must be, by a mere inspection of the fish itself; provided, of course, that we know what food is accessible to it in its habitat. It seems likely to prove to be a general rule that a fish makes scarcely more than a *mechanical* selection from the articles of food accessible to it, taking

*I can not too strongly emphasize the fact—frequently illustrated, I venture to hope, by the papers of this series—that a comprehensive survey of our entire natural history is absolutely essential to a good *working knowledge* of those parts of it which chiefly attract popular attention,—that is, its edible fishes, its injurious and beneficial insects, and its parasitic plants. Such a survey, however, should not stop with a study of the dead forms of Nature, ending in mere lists and descriptions. To have an *applicable* value, it must treat the life of the region as an organic unit, must study it *in action*, and direct principal attention to the laws of its activity.

almost indifferently whatever edible things the water contains which its habitual range and its peculiar alimentary apparatus enable it to appropriate, and eating of these in about the ratio of their relative abundance and the ease with which they can be appropriated at any time and place. If this is so, knowing the structure of a fish and the contents of a body of water, we shall be able to tell, *a priori*, what the fish will eat if placed therein.

This is, in fact, the objective point of the present investigation,—to arrive at a knowledge of the correlations of structure and food habits sufficiently detailed and exact to make the tedious and difficult labor of examining the contents of stomachs unnecessary hereafter. Some generalizations of this sort are given in the following pages, and others relate to genera not included in this report.

The method of this paper differs from that of the previous one referred to by the calculation of the *ratios* of the different kinds of food for each species or group of individuals. These ratios were obtained by averaging careful estimates of the relative amounts of the different food elements found in each stomach.

It is proposed to follow a similar method hereafter down through the remaining orders of the class. Most of the material has been collected for this purpose, and much of it has been already studied.

ORDER TELEOCEPHALI.

Suborder ACANTHOPTERI.

This suborder includes all Illinois fishes which have the anterior dorsal fin (where there are two) or the first rays of the dorsal (where there is but one) stiff, spinous and sharp, and united by an evident membrane; excepting only the remarkable "brook silver-sides," which is placed by Drs. Gill and Jordan in another group. It embraces all our game fishes except those belonging to the pickerel family (*Esocidae*) and the salmon family (*Salmonidae*). Its principal members are the darters, the various species of perch and bass, the sunfishes and the sheepshead. Forty-six species of the order have been collected in the State, but only thirty-four of these are common enough to form features of any importance in our fish fauna.

The most numerous family of the group is the *Centrarchidae* (sunfishes); the most important species are the two kinds of black bass, the pike-perch or "wall-eyed pike,"* the common perch, the white bass, and the croppie or silver bass.

The following account of the food of this suborder is based upon the careful microscopic study of the contents of four hundred and twenty-five stomachs, representing six families, twenty genera† and thirty-three species.

*It is generally to be desired that the absurd names of "Salmon" and "Jack Salmon" for these species should be suppressed. They might as well be called suckers or catfishes or minnows, as far as accuracy is concerned. Common names are many times harder to kill than the cat of the proverb, however; and it is probable that unnumbered generations will continue to call the pike-perch "salmon"; the sunfishes, "perch"; and the black bass, "trout."

†The classification of this paper is substantially that of Jordan's *Manual of the Vertebrates of North America*, etc., Ed. 2, 1878.

These were all collected by myself or one of my assistants (Mr. W. H. Garman), and labeled at the time with name of species, locality and date. While the northern half of the State is most fully represented, several trips to Southern Illinois contributed to the material studied, and it is believed that the results arrived at are substantially true for our whole area.

Family ETHEOSTOMATIDÆ. The Darters.

What the humming-birds are in our avifauna, the "darters" are among our fresh-water fishes. Minute, agile, beautiful, delighting in the clear, swift waters of rocky streams, no group of fishes is more interesting to the collector; and in the present state of their classification, none will better repay his study. Notwithstanding their trivial size, they do not seem to be *dwarfed* so much as *concentrated* fishes—each carrying in its little body all the activity, spirit, grace, complexity of detail and perfection of finish to be found in a perch or a "wall-eyed pike."

They are generally distributed, in suitable streams throughout the State; but we have found them much the most abundant in Northern Illinois,—in the upper Galena river, in Yellow creek near Freeport, and in tributaries of the Kishwaukee at Belvidere.

A short and strong minnow-seine of very fine mesh is needed in collecting them. Rapid hauls, made almost on the run, down stream, in swift and shallow water, will be found the most successful. Two or three species, of wider range, will be taken in ordinary situations, in collecting for minnows generally; but the brightest and most characteristic forms can only be got by special effort.*

I shall give here a description of the food of the family, based upon the study of the contents of seventy stomachs representing fifteen species, collected in all parts of Illinois, in several months of four successive years. These indicate much more than their number would imply, since from those collected at each time and place as many were commonly studied as were necessary to give a full idea of the food of the species then and there. The different individuals from the same date and locality usually agreed so closely in food, that the study of from two to five gave all the facts obtainable from several times as many. The data here given, therefore, really exhibit the food of the family at different seasons in twenty-nine localities within the State.

The genus *Pleurolepis* is comparatively rare in Illinois, as there are few of the sandy streams in the State, which it inhabits. Seven individuals were examined—four of *P. pellucidus* and three of *P. asprellus*. The food of these specimens was remarkably uniform—the only elements found being the larvæ of small diptera and ephemeroidea. Eighty-one per cent. of the food of all consisted

* For a very entertaining and instructive account of these fishes, the reader is referred to papers in the *American Naturalist*, by Messrs. Jordan and Copeland, Vol. X, pp. 335-341, and Vol. XI, p. 86-88.

of the larvæ of *Chironomus**—a small, gnat-like insect,—twelve per cent. of the larvæ of other small diptera, and the remaining seven per cent. of ephemerid larvæ (May flies).

Twelve specimens of the genus *Alvordius* were studied—seven of *maculatus* and five of *phoxocephalus*. These represented five different localities and dates. This is a larger species than the preceding, and to this fact is probably due the preponderance (seventy-five per cent.) in its food of the larvæ and pupæ of May flies (Ephemeridæ). These included four per cent. of the larvæ of *Palingenia bilineata*, Say, one of the largest ephemerids in our streams. The remaining kinds were larvæ of dragon flies (Agrionidæ), four per cent.; larvæ of *Chironomus*, seven per cent., *Corixa tumida*, Uhl., thirteen per cent., and *Cyclops*, one per cent.

The genus *Boleosoma*, regarded by Dr. Jordan as the typical darter, was represented by twelve specimens from eight localities—nine of *maculatum*, two of *ohnstedti* and one of *camurum*.† These specimens show but slight food differences from other darters of similar size; the only notable variation being the appearance of fifteen per cent. of case-worms (larvæ of Phryganeidæ). Sixty-five per cent. of the food was *Chironomus* larvæ, seven per cent. larvæ of other minute diptera, and the remaining twelve per cent. was larvæ of small ephemerids, and a few *Cyclops*.

I studied the food of two specimens of *Pæcilichthys variatus*, four of *P. spectabilis* and two of *P. asprigenis*—making eight of the genus, representing six localities. Fifty-eight per cent. of small larvæ of diptera (forty-nine per cent. of *Chironomus*), thirty-two per cent. of larvæ and pupæ of small ephemerids, and ten per cent. of case-worms made up the entire bill of fare.

Percina caprodes, the largest of the group, departs from all the foregoing species by the prominence given to crustacean food—thirty per cent. of Entomostraca and three per cent. the smallest of our Amphipoda, *Allochrestes dentata*, (Smith) Faxon. Most of the Entomostraca were *Cladocera*, including *Daphnia*, *Eurycercus* and *Daphnella*.‡

Here occurred the only instance of molluscan food in the group. One specimen had taken a few individuals of *Ancylus rivularis*, Say. Reduced ratios of *Chironomus* and ephemerid larvæ, and a few *Corixa tumida* complete the list.

Of *Nanostoma zonale*, less common than the others, but two individuals were examined, and these had eaten nothing but larvæ of small diptera, including sixty-five per cent. of *Chironomus*.

* The larvæ of *Chironomus* are among the most important elements of fish food in our waters, appearing in abundance in the stomachs of the young of a great variety of species. They have been too little studied in this country to allow specific determination.

† *Boleosoma maculatum* and *B. ohnstedti* should undoubtedly be united. Specimens in the laboratory collection present the extremes of both forms, together with numerous intermediate stages of each character used to distinguish them.

‡ This whole group exhibits a surprising variability, perhaps due to its comparatively recent origin.

§ *Daphnella* was found in a *Percina* from the Calumet River, at South Chicago, but not in condition to permit the determination of the species.

Six specimens of *Etheostoma flabellare* var. *lineolata*, from four localities, had eaten sixty-one per cent. of *Chironomus* larvæ, twenty-seven per cent. larvæ of small ephemerids, and twelve per cent. of Copepoda (Cyclops).

Boleichthys elegans, found only in the southern part of the State (three specimens examined), had eaten only dipterous larvæ (thirty-seven per cent.) and ephemerid larvæ (sixty-three per cent.). This is a larger, heavier species than most of the others, and, therefore, like *Alvordius*, prefers ephemerids to gnats.

Last and least comes *Microperca punctulata*, represented by nine specimens from four localities in Northern Illinois. This smallest of the darters shares with *Percina*, the largest, the peculiarity of a large ratio of crustacean food, which made up sixty-four per cent. of the total. The principal kinds were Cyclops, Chydorus, young *Gammarus fasciatus*, Say, and young *Crangonyx gracilis*, Smith. The remaining elements were *Chironomus* larvæ (thirty-four per cent.) and a trace of ephemerids (two per cent.).

It will be seen that the family, taken as a whole, divides into two sections, distinguished by the abundance or deficiency of crustacean food. This is easily explained by the fact that *Percina* and *Microperca* range much more freely than the other genera—being frequently found among weeds and Algæ in comparatively slow water with muddy bottom, while the others are rather closely confined to swift and rocky shallows.

In discussing the food of the whole group, taken as a unit, it may best be compared with the food of the young of other percoids. It is thus seen to be remarkable for the predominance of the larvæ of *Chironomus* and small Ephemeridæ—the former of these comprising forty-four per cent. and the latter twenty-three per cent. of the whole food of the seventy specimens. In young black bass (*Micropterus pallidus*), on the other hand, the averages of nine specimens, ranging from five-eighths inch to one and a half inches in length, were, in general terms, as follows: Cladocera forty-two per cent., Copepoda seven per cent., young fishes twenty per cent., *Corixa* and young *Notonecta* twenty-nine per cent., and larval *Chironomus* only two per cent. The search for the cause of this difference leads naturally to an examination of the whole economy of these little fishes, and opens up the question of their origin as a group.

The close relation of the Etheostomatidæ to the Percidæ requires us to believe that the two groups have but recently diverged, if, indeed, they are yet distinctly separate.

We must inquire, therefore, into the causes which have operated upon a group of percoids to limit their range to such apparently unfavorable situations, to diminish their size, to develop unduly the paired fins and reduce the air-bladder, to remove the scales of several species more or less completely from the head, breast, neck and ventral region, and to restrict their food chiefly to the few forms mentioned above.

No species can long maintain itself anywhere which can not, in some way, find a sufficient supply of food, and also protect itself against its enemies. In the contest with its enemies it may acquire

defensive structures or powers of escape sufficient for its protection, or a reproductive capacity which will compensate for large losses, or it may become adapted to some place of refuge where other fishes will not follow. What better refuge could a harassed fish desire than the hiding-places among stones in the shallows of a stream, where the water dashes ceaselessly by with a swiftness few fish can stem? And if, at the same time, the refugee develops a swimming power which enables it to dart like a flash against the strongest current, its safety would seem to be insured. But what food could it find in such a place? Let us turn over the stones in such a stream, sweeping the roiled water at the same time with a small cloth net, and we shall find—larvæ of Chironomus and small Ephemerids and other such prey, and little else; food too minute and difficult of access to support a large fish, but answering very well if our immigrant *can keep down his size*. Here the principles of natural selection assert their power. The limited supply of food early arrests the growth of the young; while every fish which passes the allowable maximum is forced for food to brave the dangers of the deeper waters, where the chances are that it falls a prey. On the other hand, the smaller the size of those which escape this alternative, the less likely will they be to attract the appetite of the small gar or other guerilla which may occasionally raid their retreat, and the more easily will they slip about under stones in search of their microscopic game.*

Like other fishes, the darters must have their periods of repose, all the more urgent because of the constant struggle with the swift current which their habitat imposes. Shut out from the deep still pools and slow eddies where the larger species lurk, they are forced to spend their leisure on or beneath the bottom of the stream, resting on their extended pectorals and anal, or wholly buried in the sand. Possibly this fact is correlated with the absence or rudimentary condition of the air-bladder; as it is a rule with many exceptions—but still, probably, a rule—that this organ is wanting in fishes which live chiefly at the bottom.

Doubtless the search for food has much to do with this selection in a habitat. I have found that the young of nearly all species of our fresh-water fishes are competitors for food, feeding almost entirely on Entomostraca and the larvæ of minute diptera.† As a tree sends out its roots in all directions in search of nourishment, so each of the larger divisions of animals extends its various groups into every place where available food occurs, each group becoming adapted to the special features of its situation. Given this supply of certain kinds of food, nearly inaccessible to the ordinary fish, it is to be expected that some fishes would become especially fitted to its utilization. Thus the Etheostomatidæ as a group are explained, in a word, by the hypothesis of the progressive adaptation of the young of certain Percidæ to a peculiar place of refuge and a peculiarly situated food supply.

*In *Bleasoma*, which is normally scaled in front of the dorsal fin, we often find the skin of this region bare in large specimens, and showing evident signs of rubbing.

†Several of the Catostomidæ (suckers) are an exception to this rule, feeding when young chiefly on Algae and Protozoa.

Perhaps we may, without violence, call these the mountaineers among fishes. Forced from the populous and fertile valleys of the river beds and lake bottoms, they have taken refuge from their enemies in the rocky highlands where the free waters play in ceaseless torrents, and there they have wrested from stubborn nature a meagre living. Although diminished in size by their continual struggle with the elements, they have developed an activity and hardihood, a vigor of life and glow of high color almost unknown among the easier livers of the lower lands.

The appended table will facilitate a comparison of the records of the different genera. The percentages were obtained by estimating carefully the ratios of each element of the food of each individual, and averaging these ratios for all the individuals of a species:

DETAILS OF THE FOOD OF THE ETHEOSTOMATIDÆ.

	Pleurolepis...	Alvordius...	Boleosoma...	Poecilichthys.	Percina.....	Nanosoma...	Etheostoma...	Boleichthys...	Microperca...
Number of specimens	7	12	12	8	11	2	6	3	9
I. MOLLUSCA									
<i>Ancylus rivularis</i> , Say					01				
II. INSECTA	100	99	96	100	65	100	88	100	36
1. <i>Diptera</i>	93	07	73	58	43	100	61	37	34
Undetermined larvæ	12	01	07	09	02	35		10	
<i>Chironomus</i> larvæ	81	06	66	49	41	55	61	27	34
2. <i>Hemiptera</i> , ...		13			06				
<i>Corixa</i>		13			05				
Undetermined					03				
Larvæ		07			02				
<i>C. tumida</i> , Uhl		06							
3. <i>Neuroptera</i>	07	79	23	42	17		27	63	02
Ephemeridæ	07	75	08	32	09		27	63	02
Pupæ		08		14					
Larvæ	07	63	08	18	09		27	63	02
<i>Palingenia</i>		04							
Agrionidæ (pupæ)		04							
Phryganeidæ (larvæ)			15	10	06				
III. CRUSTACEA		01	04				12		64
1. <i>Amphipoda</i>					03				12
<i>Gammarus</i> , yg									06
<i>Cragonyx</i>									06
<i>Allochrestes dentata</i> , Sm									
2. <i>Cladocera</i>					21				27
Undetermined					05				
<i>Daphniidæ</i>					06				
<i>Daphnia</i>					07				
<i>Sidæ</i>					05				
<i>Daphnella</i>					05				
<i>Lyncedæ</i>					01				03
<i>Chydorus</i>									24
<i>Eurycerus</i>					01				
3. <i>Ostracoda</i>					01				
<i>Cyprididæ</i>					01				06
Undetermined					01				06
4. <i>Copepoda</i>		01	04		05		12		19
<i>Cyclops</i>		01	04		05		12		19
Confervoid Algæ					01				

Family PERCIDÆ. The Perches.

This family consists, in this State, of three species,—the common yellow perch and the two species of pike-perch or “wall-eyed pike.” I have examined the food of seventy-five specimens of this family, so distributed in time and space as to give a satisfactory idea of the usual food.

PERCA AMERICANA, Schrank. THE COMMON PERCH. RINGED PERCH.

This exceedingly well-known species is most abundant along the shores of Lake Michigan and in the small streams and lakes of the northeastern part of the State, becoming less common to the south and west. In the Illinois river at Peoria and Henry it occurs in limited numbers, but in Southern Illinois disappears so completely that even its name (there generally pronounced “pearch”) is transferred to a different family, the sun-fishes (Centrarchidæ).

My knowledge of the food of this species is derived from the study of the contents of forty-nine stomachs, of which thirty were from adults and the remaining nineteen from fishes ranging $\frac{1}{2}$ inch to four inches in length. Ten localities and as many dates are represented by these specimens. Some were taken in the Illinois river, others in Lake Michigan and its southern tributaries, and still others in Fox river, at McHenry, and in the lakes connected with that stream. One lot included in these notes was bought in the Chicago market. They were evidently of the river form of the species, and, judging from the contents of their stomachs, which included a crustacean* not known to occur in Illinois, but found abundantly in Michigan, I conclude that they were from that State or from Wisconsin.

Food of the Young.

Finding that the food of most fishes differs with age, I have grouped the young according to size, and averaged the food for each group separately,—the first group consisting usually of those under an inch in length, the second of those from one to two, etc.

Two perch under an inch in length had eaten nothing but Entomostraca,—about equal quantities of Cyclops and Daphnias. It was not until the specimens reached an inch and a half in length that insects of any considerable size appeared in the food. A single smaller fish had eaten a few minute larvæ of Chironomus, but otherwise the food at this age consisted wholly of Entomostraca.

About thirty-four per cent. of the food of nine specimens ranging from $1\frac{1}{2}$ to 2 inches in length consisted of insects, and sixty-six per cent. of crustaceans. The only insects recognized were the larvæ and pupæ of Chironomus (eleven per cent.), small water bugs—*Gorixa tumida*, Uhl., *C. alternata*, Say, etc. (twenty-three per cent.), and a trace of larvæ of May-flies (Ephemeridæ). The Crustacea were chiefly Cladocera and Copepoda—thirty-six per cent. and twenty-

**Mancasellus tenax*, Harger.

four per cent. respectively. Four of the nine had eaten small quantities of a small amphipod crustacean, *Allorchestes dentata*, which is very abundant north, and has, in fact, about the same distribution in the State as the perch itself. The Cladocera were chiefly Daphniidæ (twenty-seven per cent.) including *Daphnia pulex*, L., *Simocephalus americanus*, Birge, and *Bosmina longirostris*. Specimens of Chydorus and Pleuroxus made up the principal part of the nine per cent. of Lynceidæ eaten. The Copepoda were all Cyclops and Diaptomus.

Four specimens two and a half inches long, all taken at Peoria, in November, 1878, had eaten nothing but Hemiptera (twelve per cent.) and Neuroptera (eighty-eight per cent.). The Hemiptera were all *Corixa alternata*, and the Neuroptera were nearly all the extremely common larva of one of our most abundant Mayflies (*Palinogenia bilineata*, Say). Larvæ of small dragon-flies (Agrionini) made five per cent. of the food. The simplicity of the food of these specimens is probably due partly to the fact that they were all caught at the same time and place, and partly to the wintry weather when they were taken.

Four specimens, from three and a half to four inches long, representing two localities and dates, had eaten a greater variety of articles; the food, in fact, now closely approaching that of the adult. Forty-five per cent. of the food was insects,—chiefly larvæ of May-flies—and fifty-five per cent. Crustacea,—chiefly Amphipoda and Cladocera. Other insect elements were larvæ of Chironomus, six per cent., and four per cent. Corixas. The Cladocera were all *Daphnia*, and the Amphipoda were *Allorchestes dentata*. A single specimen from Long L., near Pekin, Ill., had eaten an isopod crustacean (Asellus). Cyprididæ, another family of minute crustaceans, formed eight per cent. of the whole food of these specimens.

Food of the Adult.

The thirty mature individuals may best be treated in two groups, the first from streams and the second from Lake Michigan.

Four of the first group were bought in the Chicago market, in March, 1880; six were taken from the upper Fox, in May; four were from Calumet R. at South Chicago, taken in August, 1878, and four were caught in October of that year, from the Illinois at Peoria.

We notice, first, the entire disappearance of Entomostraca, which are thus seen to be food proper to the young. We next observe the appearance of mollusca (nineteen per cent.), which are evidently no insignificant food resource of the species. *Unio*, *Cyclas*, *Succinea*, *Physa heterostrophæ*, Say, and *Valvata tricarinata*, Say, are the mollusks recognized. Notwithstanding the lack of Entomostraca, Crustacea are the most important resource of these river specimens,—constituting forty-eight per cent. of their food. Crawfishes (*Cambarus*) and our common little fresh-water shrimp (*Palaemonetes exilipes*, St.) compose ten per cent. of the whole; the previously noticed *Allorchestes* amounts to fifteen per cent., and species of *Asellus*, and *Mancasellus tenax* to twenty-three per cent. The *Mancaselli* were all

from the specimens from the Chicago market. Insects are also an important item,—amounting to twenty-four per cent., nearly all being the larvæ of Neuroptera,—May-flies (Ephemeridæ), dragon-flies, and case-flies (Phryganeidæ). A single specimen from Peoria Lake had eaten one small fish—a “darter” of the genus *Pœciliichthys*.

The second group, of twelve specimens from Lake Michigan, presents a curious and instructive contrast in food to the foregoing. Mollusks and insects wholly disappear, and Crustacea are limited to the commonest crawfish of the lakes (*Cambarus virilis*, Hagen), which forms fourteen per cent. of the food. The remaining eighty-six per cent. consisted wholly of fishes, all minnows (Cyprinidæ) as far as recognized except one, and that was some undetermined percoid,—probably itself a perch.

It will thus be seen that the common perch has a food history of three periods,—the periods of infancy, youth, and mature age. In the first it lives wholly on Entomostraca and the minutest larvæ of Diptera; in the second, commencing when the fish is about an inch and a half in length, it takes up first the smaller and then the larger kinds of aquatic insects in gradually increasing ratio, the entomostracan food at the same time diminishing in importance; and in the third it appropriates, in addition, mollusks, crawfishes and fishes—in the lake specimens depending almost wholly on the last two elements.

We have here the first instance of a fact which we shall see again and again illustrated—that the young, having at first an alimentary apparatus too small and delicate to dispose of any insects but the minutest larvæ, live almost wholly on minute crustaceans.

It is proper to note that the lake and river perch are by some good authorities regarded as separate species—the latter being much more highly colored than the former. I have not found so strict a separation of the two forms as that described by Mr. E. W. Nelson, but have frequently taken both in the same haul of the seine in different parts of Calumet R. and in Lake George, Ind.,—a body of water communicating with Lake Michigan by an outlet three or four miles long. Occasional pale specimens are also taken far from the lakes, in the Fox and Illinois Rivers. The difference of color is probably due partly to the smaller amount of light to which those inhabiting the deeper waters of the lake are exposed, and partly to their piscivorous habit combined with the comparatively few lurking-places afforded them. There is some evidence that fish food bleaches a fish directly, and a good deal that it does so indirectly, by increasing the importance of an inconspicuous appearance.

STIZOSTETHIUM CANADENSE, Smith. GRAY PIKE-PERCH. SAUGER. “JACK SALMON.”

Fourteen specimens of this excellent fish were examined, all of which were from the Illinois R., ten taken in October, 1878, one in June, 1877, and three in November, 1877. It is evidently a very destructive species. These specimens had eaten nothing but fishes.

In three cases these were unrecognizable, and in two others I could only tell that they were Acanthopteri. Four of the remaining "Pike" had eaten hickory shad (*Dorysoma cepedianum*), two had eaten catfish (Siluridæ) of which one was an *Amiurus*, two had eaten sheepshead (*Haplodonotus grunniens*), and one had taken a black bass and some sunfish (Centrarchidæ). The presence in the stomach of one of these fishes, of a catfish of medium size, with its poisonous pectoral and dorsal spines unbroken, was a striking illustration of the gastric energy of this species.

STIZOSTETHIUM VITREUM, Mitch. PIKE-PERCH. WALL-EYED PIKE.
"SALMON."

This is far the finest of our river fishes,—second to no fresh-water species except, possibly, some of the salmon family. It occurs in the great lakes, and throughout the State generally in the larger streams. It is a much larger fish than the preceding, not unfrequently reaching a weight of twenty pounds. Certainly no fish of our waters is better deserving of attention than this. The only drawback to its increase is its voracity; but, although it devours an immense number of other fishes, there is no evidence that it is wantonly destructive or that it eats more in proportion to its weight than the black bass.

Twelve of this species were examined, two of which were under three inches in length, and the others adult.

Food of the Young.

A specimen two inches long, taken in the Illinois R., at Pekin, June 3, 1880, had eaten only a minute fish. One two and a half inches long, taken at the same place in June, 1878, had also eaten a small fish and a few Entomostraca (Cyprididæ and Daphniidæ). The appearance of these Entomostraca in the food of a fish of this size, makes it altogether probable that *Stizostethium*, like *Perca*, wholly depends on these minute Crustacea, when very young.

Food of the Adult.

The remaining specimens, taken from three localities, had eaten nothing but fishes, one half of them only the hickory shad or skip-jack (*Dorysoma cepedianum*). In one other specimen, this species was associated with a minnow (Cyprinidæ), and in still another with a small sunfish with three anal spines (Centrarchidæ). One of the remaining stomachs contained only an unrecognizable fish, and the other two contained Cyprinidæ, including the creek chub, *Semotilus corporalis*.

The two species of this genus agree so closely in food that they may well be discussed together. Apart from their exclusively piscivorous habit, the most interesting fact shown is the importance of the hickory shad as food for this fish. We shall find accumulating evidence that this shad, utterly useless for human food, is, notwithstanding, one of the most valuable fishes in our streams. Nevertheless, not the slightest attention is paid to its preservation, much

less to its encouragement. The fishermen commonly regard these fishes as a mere nuisance, and leave them to die on the bank by hundreds, rather than take the trouble to return them to the water. They are a very delicate species, and are easily killed by rough handling in the seine, but the majority of those captured might be saved with a little care.

The abundance of these fishes as compared with some other species in the river might seem to indicate that they are common enough as it is. Few realize, however, the number of fishes needed to feed a pike-perch to maturity. Two or three items from my notes will furnish the basis for an intelligent estimate of this number.

From the stomach of a *Stizostethium canadense* caught in Peoria Lake, October 27, 1878, I took ten well-preserved specimens of *Dorysoma*, each from three to four inches long; and from a *Stizostethium vitreum* I took seven of the same species, none under four inches in length. As the *Dorysoma* is a very thin, high fish, with a serrate belly, these were as large as a pike-perch can well swallow; and we may safely suppose that not less than five of this species would make a full meal for the pike-perch. The species is a very active hunter, and it is not at all probable that one can live and thrive on less than three such meals a week. The specimens above mentioned were taken in cold autumn weather, when most other fishes were eating but little; but, since fishes generally take relatively little food in winter, we will suppose that the pike-perch eats, during the year, on an average, at this rate per week for forty weeks, giving us a total *per annum* of six hundred *Dorysomas* destroyed by one pike-perch. We can not reckon the average life of a *Stizostethium* at less than three years, and it is probable nearly five. The smallest estimate we can reasonably make as the food of each pike-perch would therefore be somewhere between eighteen hundred and three thousand fishes like *Dorysoma*. A hundred pike-perch, such as should be taken each year along a few miles of river like the Illinois, would therefore require one hundred and eighty thousand to three hundred thousand fishes for their food. Finally, when we take into account that a number of other species also prey upon *Dorysoma*, and that the whole number destroyed in all ways must not exceed the mere *surplus* reproduced—otherwise the species would be extinguished,—we can form some approximate idea of the multitudes in which the food species must abound if we would support any great number of predaceous fishes. *Dorysoma*, being a mud-eater and a vegetarian, taking animal food only during the Entomostracan period, can probably be more readily maintained in large numbers in our muddy streams than any other fish.

It is evident that the increase of edible fishes without a corresponding supply of food will be largely time and labor thrown away. Probably if protected from wanton and ignorant destruction, the *Dorysoma* would abound sufficiently, as it is enormously prolific.

The following table is similar to that given for the preceding family. The mark + is used to indicate the occurrence of an element in too small an amount to figure in the ratios:

TABLE OF THE FOOD OF THE PERCIDÆ.

	PERCA.						STIZOSTEDIONUM.....
	One inch and under.....	One to two inches.....	Two to three inches.....	Three to four inches.....	River spec- mens.....	Lake spec- mens.....	
Number of specimens examined.....	2	9	4	4	18	12	26
I. FISHES.....					06	86	100
Undetermined.....						50	23
Acanthopteri.....						08	21
Undetermined.....						08	08
Poecilichthys.....					06		
Centrarchidæ.....							05
Undetermined.....							03
Micropterus.....							02
Haploidonotus.....							08
Dorysoma.....							41
Cyprinidæ.....						28	09
Undetermined.....						28	05
Semotilus.....							04
Siluridæ.....							08
Undetermined.....							04
Amiurus.....							04
II. MOLLUSCA.....					19		
Physa heterostrophæ.....				+	05		
Succinea.....					04		
Valvata 3-carinata.....					01		
Cyclas.....					05		
Unio.....					04		
III. INSECTA.....		34	100	45	24		
Pupæ.....					+		
1. Diptera (larvæ).....		10		06	01		
Undetermined.....		01					
Chironomus.....		09		06	01		
2. Hemiptera.....		23	12	04			
1. Corixa.....		23		04			
Undetermined.....		11		04			
C. alternata.....			12				
C. tumida.....		12					
3. Neuroptera (larvæ).....		01	88	35	23		
Epheméridæ.....		01	83	35	08		
Undetermined.....				35	03		
Palingenia.....			83		05		
Agriionidæ.....			05		04		
Libellulidæ.....					08		
Phryganeidæ.....					03		
IV. CRUSTACEA.....		66		55	48	14	+
1. Decapoda.....					10	14	
Cambarus.....					04	14	
Palæmonetes.....					06		
2. Amphipoda.....		06		24	15		
Undetermined.....		02					
Allorchestes.....		04		24	15		
3. Isopoda.....					01	23	
Asellus.....					01	11	
Mancasellus.....					12		
4. Entomostraca.....	100	60		30			+
Cladocera.....	55	36		22			
Daphniidæ.....	55	27		22			+
Undetermined.....	55	13					+
Simoccephalus.....		+					
Daphnia.....		12		22			
Bosmina.....		02					
Lynceidæ.....		09					
Undetermined.....		07					
Pleuroxus.....		+					
Chydorus.....	+	02					
Copepoda.....	45	24					
Cyclops.....	45	24					
Diaptomus.....		+					
Ostracoda (Cypris).....		+		08			+
V. VEGETATION.....					03		

Family LABRACIDÆ. The Bass.

We have but two species of this family, the white bass and the brassy bass (*Roccus chrysops* and *Morone interrupta*). As far as their food is concerned, these are evidently equivalent species, agreeing closely in their general relations, and differing only in their distribution.

ROCCUS CHRYSOPS, Raf. WHITE BASS.

This species is of medium abundance throughout the northern half of the State,—most common in Lake Michigan. A curious fact of its distribution is its rarity in Fox River and the lakes connected with that stream. Indeed, during several days' active collecting in this region we did not see a single specimen, neither could we hear of the occurrence of the species in those waters, although we made careful inquiry for it among experienced fishermen.

My notes on its food relate only to eleven specimens, of which three, taken at South Chicago, in August, were young, but of unknown size. Two of these had eaten only *Chironomus* larvæ and the larvæ of a remarkable ephemerid? not yet determined, and the stomach of the third contained only a minute fish. The remaining eight individuals had depended chiefly on the larvæ of May-flies (sixty-nine per cent.). The other important articles of their food were twenty per cent. fishes (including one sun-fish—*Centrarchidæ*) and eight per cent. isopod Crustacea (*Æsellus*). Several attempts to secure food from Lake Michigan specimens were unsuccessful, as, being taken in pound-nets, their stomachs were always empty. Those studied were from various interior situations in the northern third of the State.

MORONE INTERRUPTA, Gill. STRIPED BASS. BRASSY BASS.

This fish replaces the preceding in the southern half of the State, the Illinois River forming a neutral zone between the respective territories of the two species.

The food of six specimens of this species was studied, all taken from the Illinois River from May to October.

Four of these were young. The smallest, one and a fourth inches long, taken at Peoria, in June, 1878, had eaten about equally of small *Dorysoma cepedianum* and Entomostraca,—forty per cent. *Leptodora* and ten per cent. *Cyclops*. One, an inch and a half in length, taken at the same time and place, had eaten only *Dorysoma*, with a trace of *Cyclops*. The next, one and five-eighths inches in length, had eaten a small undetermined fish and a few *Daphnias*. The fourth, one and seven-eighths inches long, caught at Peoria, in October, had eaten only larvæ and pupæ of *Chironomus*.

The two adult specimens were feeding chiefly upon the larvæ of Neuroptera,—especially May-flies. An *Allorchestes dentata* and a few small grasshoppers also appeared in the food.

It will be seen that this species apparently agrees closely with the preceding in its food. The large amount of crustacean food in the smallest specimen shows that we should probably find still smaller Labracidæ depending upon these as strictly as the Percidæ.

Family CENTRARCHIDÆ. The Sun-fishes.

This interesting group, known, in some of its members, to every one who has ever seen a dozen fishes, is represented, in Illinois, by sixteen species, as the species of this family are now understood. The two black bass, included in this family for technical reasons, are, of course, the most important species. The rock bass, the croppie and the common sun-fish (*Lepiopus pallidus*), although not fishes of the first class, would be seriously missed if we were to lose them; and boyhood in the country would be quite another thing if it were not for the "pumpkin seed" in the mill-pond, whose barbaric splendor thrills the heart of the youthful fisherman as the more delicate beauties of the trout or salmon do those of tougher fibre.

I have studied the food of thirteen species of this group, as indicated by two hundred and thirty-seven specimens, well distributed in time and area.

Decided differences in food made out in the various genera, have been found to coincide with differences in a few structures about the mouth in such a way that one may predict, from an examination of these structures, what the leading peculiarities of the average food of any genus will be.

MICROPTERUS PALLIDUS, Raf. LARGE-MOUTHED BLACK BASS.

This famous species is too well known to require extended comment. The ordinary fishermen rarely distinguish it from the following; and, indeed, sportsmen do not always recognize the difference.

I have examined the food of thirty-one specimens of this species, fourteen of which were adults, and the remainder young, of different ages.

Food of the Young.

The first group, consisting of five specimens under one inch in length (ranging from $\frac{3}{8}$ to $\frac{3}{4}$ in.), represent three localities,—Crystal Lake, in McHenry county, the Illinois River at Pekin, Tazewell county, and the same stream at Starved Rock, in LaSalle county. They were taken in June, July and August of three different years. It is evident, therefore, that the common features of their food can not well be attributed to any other fact than their similar size.

The entire food of these fishes consisted of small Crustacea,—all Entomostraca except seven per cent., eaten by a single fish, which consisted of the very young of some undetermined amphipod,—probably Allorchestes. Eighty-seven per cent. of the food was Cladocera, principally *Bosmina longirostris*, Müll. *Simocephalus*

americanus, Birge, was also an important element; and traces appear of Chydorus, Pleuroxus and *Eurycercus lamellatus*. About six per cent. of Cyclops had been eaten.

In the food of the next group—six specimens, from $1\frac{1}{4}$ to $1\frac{1}{2}$ inches long—minute fishes and insects appear. The fishes (twenty-nine per cent.) were not large enough to determine. The insects (forty-six per cent.) were mostly young water bugs (*Corixa*), the principal part of which were about half grown. The adults were all *Corixa tumida*, Uhl. The Entomostraca drop to twenty-five per cent., about equally Cladocera and Cyclops. Among the former were many specimens of *Simocephalus americanus*, and a few of the rare and curious *Leptodora* mentioned in a previous paper.* The specimen in which this was found was taken at Peoria, in June, 1878. All of this group were taken from the Illinois River, but at different places and dates. Some, taken at the same place and time as others of the preceding group, differed from them in the smaller number of Entomostraca eaten, and the larger number of insects,—differences evidently only to be explained as due to the different sizes of the fishes.

The next two specimens, between two and three inches long, had eaten only insects, chiefly *Corixa tumida*.

Four specimens, ranging from three to three and a half inches in length, all taken from a lake in the Illinois River bottom, in October, 1879, had eaten nothing but insects,—almost wholly *Corixas* and the larvæ of May-flies (*Ephemeridæ*). The *Corixas* were *C. alternata*, Say, and *C. tumida*, Uhl.

Food of the Adult.

Turning to the food of the fourteen adults, we note the total disappearance of Entomostraca, the merely accidental occurrence of insects, the appearance of crawfishes (*Cambarus immnis*), which amount to seven per cent. of the whole food, and the great predominance of fishes (eighty-six per cent.). These were of sufficient variety to show that no group is safe from the appetite of the bass unless it be the gar.

Perch, minnows, catfish and hickory shad were recognizable. The last were much the most abundant, occurring in eight of the specimens, and constituting fifty-eight per cent. of the food of the whole number. They ranged from three to six in each stomach, and were from three to four inches long. It should be noted, however, that these were all eaten by fishes taken at the same place and time. A large mouse was found in the stomach of one bass from the Illinois River.

We may generalize these data by saying that this black bass lives, at first, wholly on Entomostraca; that it commences to take the smallest aquatic insects when about an inch in length, and that minute fishes appear in its diet almost as early. From this forward, the Entomostraca diminish in importance, and the insects and fishes

* See Bull. No. 2. Ill. State Lab. Nat. Hist., p. 88.

become larger and more abundant in the food. The adults eat voraciously of a great variety of fishes—especially the hickory shad (*Dorysoma*),—and feed upon crawfishes also to some extent.

MICROPTERUS SALMOIDES, LAC. SMALL-MOUTHED BLACK BASS.

This species, called also tiger bass, river bass, etc., is the black bass, *par excellence*. It ranges, usually, in deeper and clearer water than the preceding; but both are often taken together.

I have made full notes of the food of twenty-seven specimens,—three adult and the others young. I had none of this species under an inch in length; but, judging from the general resemblance of the food of this and the preceding bass at later ages, I do not doubt that this will also be found to feed at first on Entomostraca, although insect food is possibly more important to it from the beginning.

Seven individuals, from one to two inches in length, were all taken in July from rocky ripples in the Fox River, at Dayton, Ill., a few miles above the mouth of the stream. These had eaten only five per cent. of Entomostraca,—the whole remainder of the food consisting of insects, of which *Corixa tumida*, young and adult, and larvæ of May-flies and darning-needles (Agrionidæ) were the most important kinds. Four per cent. of the larvæ of Chironomus are worthy of notice. The scarcity of Entomostraca in the food of fishes as small as these is probably due to the situation in which these specimens occurred, as few Entomostraca are to be found in swift water. The same fact will account for the presence of Chironomus larvæ,—found abundantly under stones in rapid streams.

The next ten specimens, between two and three inches long, were taken in July, partly at the same place as the preceding, and partly from the Illinois River, a few miles below the mouth of the Fox. These differed from the smaller specimens chiefly in the appearance of fishes in the food (five per cent.) and in the absence of Neuroptera. Probably the last of these differences, at least, was accidental. A few larvæ of aquatic Coleoptera (Hydrophilidæ and Dytiscidæ) were noticed. Corixas, including *C. tumida*, Uhl., and *C. signata*, Fieb.,* amounted to eighty-two per cent. of the food.

In those ranging from three to four inches in length (seven individuals), the fishes eaten rise to fourteen per cent., but the insects drop away to seven per cent., and the Crustacea rise to seventy-nine. Here, however, difference of locality interferes to prevent any satisfactory comparison with other ages,—as these specimens were all taken in August, from Calumet River, at South Chicago. This slow stream, clogged with Algæ and a great variety of other aquatic plants in midsummer, also swarms with Crustacea,—especially the little *Allorchestes dentata*. This species made sixty-three per cent. of the food of these specimens; and an undetermined species of Asellus, fourteen per cent. A few *Gammarus fasciatus* were also found. The insects were *Corixa* and larvæ of Agrionidæ.

*Determined by Mr. Uhler.

It will be seen that, excepting the gradual increase of the number of fishes eaten, these data show no especial difference in the young of different ages. Smaller specimens and a larger number from a greater variety of situations, would be necessary to exhibit this difference.

The food of the young as a whole, apparently, does not differ essentially from that of the large-mouthed species, except in the probably greater importance of the insect element,—especially *Corixas*, which in these twenty-four specimens amounted to fifty per cent. of the food—and the inferior importance of fishes.

This peculiarity is expressed in a slightly different manner, in the food of the adult. The three specimens examined had eaten only fishes (*Noturus flavus* and *Percina caprodes*) and crawfishes (*Cambarus propinquus*),—thirty-eight per cent. of the former and sixty-two per cent. of the latter.

This is the first of several instances in which the ratio of fishes in the food of allied species and genera was found to correspond to the size of the mouth, being largest in those with the largest oral opening.*

TABLE OF THE FOOD OF MICROPTERUS.

	M. PALLIDUS.					M. SALMOIDES.			
	Under one inch.....	One inch to two.....	Two to three inches..	Three to four inches..	Adults.....	One inch to two.....	Two to three inches..	Three to four inches..	Adults.....
Number of specimens.....	5	6	2	4	14	7	10	7	3
I. FISHES.....		29			86		05	14	38
Acanthopteri.....					15				13
Percina.....					08				
Dorysoma.....					58				
Cyprinidæ.....					06		05		
Campostoma.....					06				
Siluridæ.....					07				
Noturus flavus.....									25
II. INSECTS.....		46	100	100	+	95	89	07	
Undetermined larvæ.....			50						
1. Diptera (larvæ).....		02				04	05		
Culicidæ.....							01		
Chironomus.....		02				04			
Muscidæ.....							04		
2. Coleoptera (larvæ).....							02		
Dytiscidæ.....							02		
Hydrophilidæ.....							+		

*The frequency with which these two species of black bass are confounded makes it desirable that a single reliable character should be selected by which they can be invariably distinguished, whatever the age of the specimen. This character is afforded by the size of the scales, the small-mouthed species having the smaller scales. In this species there are eleven longitudinal rows of scales between the dorsal fin and the row of perforated scales running along the middle of the side, called the lateral line. In the large-mouthed species, there are never more than nine such rows. The young are easily distinguished by the longitudinal black stripe along the side of the large-mouthed bass, which is wanting in the young of the other species.

Food of *Micropterus*—Continued.

	M. PALLIDUS.					M. SALMOIDES.			
	Under one inch.....	One inch to two	Two to three inches..	Three to four inches..	Adults	One inch to two	Two to three inches..	Three to four inches..	Adults
3. <i>Hemiptera</i>		44	50	57	†	51	82	03	.....
<i>Zaitha</i>.....					†				.....
<i>Corixa</i>		42	50	57		51	82	03	
<i>Notonecta</i>		02							
4. <i>Neuroptera</i> (larvæ).....				43	†	39	†	04	
Ephemeriðæ.....				43		28	†		
Agriionidæ.....					†	11		04	
III. CRUSTACEA.....	100	25		†	07	05	04	79	62
1. <i>Decapoda</i>					07				62
<i>Cambarus</i>					07				
2. <i>Amphipoda</i>	07							65	
<i>Gammarus</i>								02	
<i>Allorchestes</i>								63	
3. <i>Isopoda</i> (Asellus).....								14	
4. <i>Entomostraca</i>	93	25		†		05			
Cladocera.....	87	14		†		05	04		
Daphniidæ.....	26	12		†		05	04		
Simocephalus.....	18	06							
Bosmina.....	60								
Leptodora.....		02							
Copepoda (Cyclops).....	06	11				†			
IV. VEGETATION.....							02		
Endogenous.....							02		
Algae.....					†		†		
<i>Miscellaneous</i>					07				

AMBLOPLITES RUPESTRIS, Raf. ROCK BASS.

This favorite and widely distributed species does not differ from the other fishes mentioned in respect to the food of the young. The smallest specimen examined, five-eighths of an inch long, contained only a few Cladocera (*Pleuroxus*). Another, three-fourths of an inch long, had eaten daphnids (seventy-five per cent.), Cyclops (ten per cent.), and larvæ of *Chironomus*. A third, seven-eighths of an inch long, contained only minute fragments of a few larvæ of *Neuroptera*. These specimens were all taken from Fox River, in July, 1879. The remaining young of the year were living chiefly on *Corixa* (eighty-three per cent.), as were also the young of the year preceding (ninety per cent.), as far as could be judged from the food of two specimens, from three to four inches in length. Some land insects, ephemerids, water beetles, and a few *Allorchestes* were also found in the food.

Four adult specimens, taken at Ottawa, on the 8th of July, had eaten some minute fishes (fifteen per cent.), a few water beetles, including *Tropisternus limbatus*, over forty per cent. of *Neuroptera* larvæ, and about thirty per cent. of small crawfishes. The *Neurop-*

tera included Baëtis and other ephemerids (twenty per cent.), Agrionidæ and large Libellulidæ, and fifteen per cent. of case-flies (Phryganeidæ.) Pond-weed (Potamogeton) found in two stomachs, had probably been taken accidentally.

CHÆNOBRYTTUS GULOSUS, C. & V. WIDE-MOUTHED SUNFISH.

This fine species is among the commonest of the family in the lakes and ponds of Southern Illinois, where it is commonly known as the "Goggle Eye."

The northern limit of its range, as far as known, is the Illinois River valley. In numbers and habitat it replaces in the South the *Eupomotis aureus* of the north; but this equivalence is only apparent, as the two species differ widely in food. From its size and abundance, it is no insignificant food resource.

Food of the Young.

My smallest specimens were from lakes in the Mississippi bottom, near Bird's Point, Missouri. Two of these, one inch long and under, taken in September, 1879, had eaten only *Bosmina longirostris* and Cyclops. Insect food first appears in specimens one and a half inches long. Eight specimens, between one and three inches long, six of which were taken from a lake in the Illinois bottoms, near Pekin, in October, 1879, and two from a lake in Kentucky, near Cairo, Illinois, had eaten about forty per cent. Entomostraca, thirty per cent. Neuroptera larvæ, and thirty per cent. Corixas and Diptera larvæ. *Daphnia pulex*, *Simocephalus americanus*, *Bosmina longirostris*, Chydorus, Pleuroxus and Cyclops, were among the Entomostraca. *Corixa alternata* was found among the Hemiptera. Most of the Diptera (i. e. fifteen per cent.) were larval Chironomus.

Food of the Adults.

Six adults, from rivers, streams and lakes in Central and Southern Illinois, show the usual change in food, carried farther than in the preceding species. Entomostraca disappear—except a few Chydorus in a single specimen—and fishes become the principal reliance, amounting to forty-seven per cent. of the food. Corixas, larvæ of *Palingenia bilineata*, and some terrestrial Coleoptera—*Anomala binotata*—which made half the food of one specimen, are the remaining items.

The especially piscivorous habit of this species is probably related to the size of its mouth, which is much the larger among the sun-fishes proper. A similar relation has already been noticed between the two black bass.

TABLE OF FOOD OF AMBLOPLITES AND CHENOBRYTTUS.

	AMBLOPLITES.				CHENOBRYTTUS.			
	Under one inch.....	One inch to two.....	Three to four inches.	Adults.....	One inch and under..	One inch to two.....	Two to three inches.	Adults.....
Number of specimens examined	3	3	2	4	2	4	4	6
I. FISHES				15				47
II. INSECTS	39	99	97	52		57	64	53
Undetermined larvæ		16		01				
Caterpillars		17						
1. <i>Diptera</i> (larvæ)	05	03		06		32	04	
<i>Chironomus</i>	05	03				26	04	
2. <i>Coleoptera</i>			02	03				10
Terrestrial			01					10
Aquatic								
Dytiscidæ			01	01				
Hydrophilidæ				02				
3. <i>Hemiptera</i>		63	95				20	18
<i>Corixa</i>		63	90				20	18
<i>Hygrotrechus</i> (yg.)			05					
4. <i>Neuroptera</i> (larvæ)	34		05	42		25	40	25
Ephemeriidæ				21		03	12	25
Palingeniæ								25
Baetis				01				
Agrionidæ				01		10	28	
Libellulidæ				05				
Phryganeidæ				15				
III. ARACHNIDA (<i>Hydrachna</i>)				+				
IV. CRUSTACEA	61		03	31	100	43	34	+
Decapoda (<i>Cambarus</i>)				31				
Amphipoda			03					
Entomostraca	61	01			100	43	34	+
Cladocera	58				70	24	34	+
Daphnia							21	
Bosmina					70			
Pleuroxus	33					+		
Chydorus							+	+
Copepoda	03	01			30	19		
V. VEGETATION				02			02	
Potamogeton				02			02	

APOMOTIS CYANELLUS, Raf. BLUE-SPOTTED SUNFISH.

This species, distributed throughout the State, is especially abundant in Central Illinois, where it is the common fish of the ponds and smaller streams—"the sunfish" of the country school-boy and the picnic party. It is the constant companion of the "bull-head" (*Amiurus*) and "shiner" (*Notemigonus*) in the small stagnant ponds of the prairie regions, and of the "chub minnow" (*Semotilus*) in muddy creeks. It was found abundant with *Centrarchus*, *Aphredoderus* and *Amiurus catus*, in the rapidly drying mud-holes,* only a few feet across, left by the retreating overflow of the Mississippi bottoms, in Union county.

* All the specimens taken from these holes, so muddy that the water was almost opaque, were of a peculiarly bleached appearance,—many of them almost colorless,—a fact of interest relative to the laws of coloration among fishes.

Food of the Young.

The smallest of nineteen specimens studied, was one inch in length—taken in July, in a prairie pond near Normal. Ninety-five per cent. of its food was Cyclops and three per cent. daphnids. The trifling remainder consisted of a *Corixa* just hatched, and a *Chironomus* larva.

Nine specimens, ranging from one to two and a fourth inches in length, vary so little in food that it is not worth while to treat them separately. These were taken from various ponds, streams and lakes of Central Illinois. Their food was distributed quite generally through the various orders of insects and crustaceans accessible to them, showing the indifferent appetite of this fish and the general effectiveness of its collecting apparatus.

Larvæ of *Chironomus*, *Dytiscidæ*, *Staphylinidæ*, *Corixas*, ephemerid larvæ, *Decapoda*, *Isopoda*, *Cladocera*, cyprids and *Copepoda* were all found in considerable quantities in the food of these specimens. As usual, the most important insects were *Corixas* and May-flies,—sixteen per cent. of the former and twenty-nine per cent. of the latter. About eight per cent. of the food was *Cladocera* (*Daphnia*, *Simocephalus*, *Pleuroxus*, *Chydorus*).

Food of the Adult.

The eight adults, from Northern and Southern Illinois, differed from the young in the disappearance of Entomostraca from the food, the larger size of the insects taken, and the appearance of fishes and crawfishes.

Among the insects were a large *Hydrophilus* unknown to me, but nearly as large as *H. triangularis*, the larva of *Corydalis cornutus*, of *Libellula* and of some ephemerid. The fishes composed about thirty-six per cent. of the food. The only recognizable specimens were a small cyprinoid and a young buffalo-fish (*Ichthyobus bubalus*). Crawfishes and the river shrimp (*Palæmonetes*) had been eaten by two of the specimens.

LEPIOPOMUS PALLIDUS, Mit. COMMON SUNFISH.

This abundant, hardy and voracious species is found throughout the State, and may be regarded as the typical sunfish. It is most plentiful in the larger rivers in Central Illinois, being replaced in ponds by *Apomotis cyanellus*.

Consistently with its wide range and varied habitat, it is a general feeder for a sunfish,—peculiar only in the fact of its strictly non-predaceous character. Of forty-five specimens examined, only one had eaten a fish, and that one only a single small darter.

Undifferentiated Centrarchidæ.—I introduce here the food of six specimens of this family which were too small for determination. They were too deep for *Micropterus*, and as they had but three anal spines, could not have been *Ambloplites* or *Pomoxys*. They

were probably *Lepiopomus pallidus*. All were taken from the Illinois River.—a part of them near LaSalle, in July, 1879,—the others from Peoria, in June, 1878.

The smallest (seven-sixteenths of an inch long) had eaten only Daphniidæ. The next in size (one-half inch) contained Cyclops (ninety-eight per cent.) and Chydorus. Nearly the whole of the food of the remaining four was Daphniidæ (ninety-four per cent.), including *Daphnia pulex*.

Food of the Young.

My smallest specimens, five in number, ranging from three-fourths of an inch to one inch, were taken in August, September and October, at Pekin, Peoria and Mackinaw Creek, Woodford county. Neither locality nor date seems to have made any marked difference in their food, the principal elements of which were Entomostraca and Chironomus larvæ,—fifty-seven per cent. and thirty-seven per cent. respectively.

A few water-spiders (Hydrachnidæ) and undetermined Amphipoda were the other items. The Entomostraca were all Cyclops (twenty per cent.) and Cladocera (*Simocephalus vetulus* and *americanus*, *Bosmina longirostris* and *Pleuroxus dentatus*.)

Nine specimens, between two and three inches long, were caught at the same times and places as the preceding, except that one specimen from Mackinaw Creek was taken in June, and one taken in September was from Clear Lake, Kentucky. The greater size of these specimens was indicated by the appearance of a few Neuroptera larvæ in the food—eight per cent. In other essential respects, the food was like that of the foregoing group. One specimen had eaten largely of water mites and another of cyprids (fifty per cent.), and these elements have therefore greater prominence in the averages. Chironomus larvæ and Entomostraca now sum up eighty-one per cent.

In the third group of the young, consisting of seven fishes, between two and three inches long, the Chironomus larvæ remain about as before (thirty per cent.), Corixas appear (twenty-five per cent.) and Neuroptera larvæ rise to fourteen per cent. Entomostraca now fall away to a trifle, and larger percentages of Amphipoda appear. Single fishes had eaten the larvæ of a gyrenid beetle, portions of the polyzoan, *Pectinatella magnifica*,* Leidy, and an earthworm,—the latter probably nibbled from some fisherman's hook.

These specimens were all from the Illinois River, in June, July, October and November.

*This animal forms the large, translucent masses found in midsummer in the slow water along the margins of the Illinois River and elsewhere throughout the State, usually collected about a stick or a stem of a water-weed. They vary from the size of a walnut to that of half a bushel. The fragments were easily recognized by the peculiar form and armature of the winter eggs (statoblasts), which are discoidal and bordered with a row of slender double hooks, shaped something like an anchor.

Food of the Adult.

The twenty-four adults examined were from various parts of the State north of the center; and, as the food has been found to differ so widely according to the local situation, I have treated them in three groups,—the first including those taken in the clear, inland, northern lakes; the second those from Calumet River, at South Chicago, and the shallow, muddy lakes of that vicinity, and the third those from the Illinois river, from Ottawa to Peoria.

The specimens from the northern lakes were taken in May and June. Sixty-two per cent. of the food consisted of Neuroptera,—eight per cent. being a black caddis-fly (*Sialis infumata*) and the remainder the larvæ of large dragon-flies (Libellulidæ), Agrions (eleven per cent.) and Baëtis (two per cent.). *Allorchestes dentata* was the next most important element (twenty-seven per cent.). A number of terrestrial insects besides *Sialis* appeared in the food. These included a harpalid beetle, an *Aphodius fimetarius*, and some grasshoppers (Tettigidæ, etc.).

The second group, of four, from Calumet River, and from Lake George, Indiana, was peculiar in the number of tetradecapod Crustacea and case-worms taken, and especially in the amount of vegetation eaten.

The crustacea were *Allorchestes* (thirty-two per cent.) and *Asellus* (twenty per cent.). The vegetation was present in such quantities as to make it evident that it had been taken as food. It amounted to about a fourth of the contents of these stomachs. The stomach of one fish was packed with a piece of the stem of a plant (apparently a *Scirpus*) a third of an inch in diameter and six inches long. Three others contained smaller amounts of confervoid Algæ.

The fifteen specimens remaining were taken from the Illinois in May, July, August, October and November. Their food was especially noticeable for the presence of mollusks (sixteen per cent.), for the number and variety of land insects (fifteen per cent.), and for the large amount of vegetation it contained (thirty-one per cent.). A single small fish,—the only one taken by these forty-five specimens—was also noted.

The mollusks included planorbis, Physa, Amnicola and Vivipara. Among the insects were ants, caterpillars, flies, *Anisodactylus discoideus* and other harpalids, *Aphodius inquinatus*, wire-worms, minute Curculios, *Cryptocephalus 4-maculatus*, *Diabrotica 12-guttata*, Colorado potato beetles, flea beetles, plant bugs (Cydnidæ), crickets (Nemobius), locusts and katy-dids (*Phaneroptera curvicauda*), grasshoppers and caseflies.

The vegetable food, as far as determined, consisted of Ceratophyllum, *Nais flexilis* and confervoid Algæ. Fragments of Polyzoa were noticed. *Coptotomus interrogatus*, gyrinid larvæ,* *Tropisternus limbatus* and other Hydrophilidæ, larval and adult, a large Nepa, larvæ of *Palingenia bilineata* and other May-flies, of Agrions and dragon-flies were among the aquatic insects taken.

*Several of these little-known larvæ were found in the stomachs of this species,—some of them in suitable condition for description.

Table of Food of *Apomotis* and *Lepipomus*—Continued.

	APOMOTIS.			LEPIPOMUS.						
	One inch long.	One to four inches.	Adults.	One inch and under.	One to two inches.	Two to three inches.	Northern lakes.	Calumet river and lakes.	Illinois river.	Total adults.
IV. ARACHNIDA				04	11	01	01	+		
Spiders										
Hydrachnidae				04	11	01	01		+	
V. CRUSTACEA	98	21	20	59	55	06	27	52	06	18
Decapoda		01	20						02	01
Undetermined										
Cambarus			08						02	
Palaemonetes			12							
Amphipoda				02		05	27	32		11
Undetermined				02						
Allorchestes						05	27	32	+	
Isopoda (<i>Asellus</i>)						05		20	04	06
Entomostraca	98	16		57	55	01		+		
Cladocera		08		37	14			+		
Daphniidae		07		33	12					
Lynceidae	03	01		04	02	01		+		
Ostracoda		03			06			+		
Copepoda	95	05		20	35	+				
VI. VERMES						20			03	02
Undetermined										
Polyzoa						11			03	02
Lumbricus						09				
VII. VEGETATION			02			01	02	25	31	24
Phenogamous			02			01	02	21	19	16
Algae								04	12	08

XENOTIS MEGALOTIS, Raf. LONG-EARED SUN-FISH.

This little species is not at all common in the State, but has been taken by us from the middle course of Fox R., from tributaries of the Illinois R., and from ponds in Union county, in southern Illinois.

Unfortunately, the three specimens examined had not lately taken food, and only a very imperfect notion of their usual aliment can be given. *Corixa*, ephemerid larvæ, *Chironomus* larvæ, the tube of a case-worm, a few fish-scales and an undeterminable aquatic beetle were the only objects found.

XENOTIS PELTASTES.* Cope.

This beautiful little fish, hitherto taken in this State only in very small number from Fox R., was found quite abundant in the "slip" at South Chicago, in June, 1880. The three opened had eaten more larvæ of *Chironomus* than any thing else (sixty per cent.). Next came sixteen per cent. of mollusks, then *Allorchestes* and *Asellus*, *Corixa*, gyridid larvæ, and a few terrestrial larvæ (*Chrysomelidae*). The large percentage of *Chironomus* was probably owing to the situation, a foul and muddy little bay, serving as a harbor for fish-boats.

*It is considered doubtful, by Dr. Jordan, if this species and the preceding are distinct.

EUPOMOTIS AUREUS, Wahl. PUMPKIN SEED. BREAM.

This species swarms in the lakes and ponds of northeastern Illinois, but is much less abundant in the Illinois R.; and in the southern part of the State is almost unknown. The cause of this limitation of its range is apparently climatic; as there is certainly nothing in its food, nor, apparently, in any of its habits, to exclude it from our southern waters. Indeed, I do not see that its place is taken by any other fish to the southward. No other, unless *Eupomotis pallidus*, resembles it in food, and this is too infrequent to replace it. My knowledge of its food is based upon the study of twenty-five specimens, ranging from one and one-half inches upward, taken from the Illinois, Fox and Calumet rivers, and from Long, Crystal and Nipisink lakes and Lake George, in central and northern Illinois and Indiana. The months of May, June, July, August and October are represented by these specimens.

Food of the Young.

The nine smaller specimens, from one and one-half to two inches long, show at once two prominent peculiarities of the food. The larvæ of Chironomus compose fifty-one per cent. of the food, and Entomostraca of the order Ostracoda (cyprids), twenty-six. As both these are found most abundantly in muddy bottoms, it is evident that the fish is, at least at first, a bottom feeder. Traces of mollusks appear thus early, as well as a few ephemerid larvæ (five per cent.). The remainder of the food was insects' eggs and daphnids, —chiefly *Simocephalus americanus*—(twelve per cent.). Chydorus was found in five specimens, but in too small quantity to figure in the averages.

Five specimens were studied, between two and three inches long. In these the same food characters continue, modified somewhat by the introduction of larger objects. The Chironomus larvæ stand at forty-four per cent., and the cyprids at eighteen per cent. Fourteen per cent. of Allorchestes and eleven per cent. of Neuroptera larvæ are the only important elements remaining. Two per cent. of young Unios were noticed. Nearly half of the food of two larger specimens, between two and three inches long, consisted of mollusks,—chiefly Physa. A few Chironomi and about equal quantities of ephemerid larvæ and Allorchestes were all the remaining food. Entomostraca therefore disappear at this point.

Food of the Adult.

Forty-six per cent. of the food of the nine adults consisted of Mollusca, including Planorbis, Amnicola and *Valvata tricarinata*, and six per cent. of undetermined bivalves.

The insect food was twenty per cent. of the whole, Crustacea twenty-two per cent., and vegetation twelve per cent. Half of the last was Chara, and the remainder chiefly Myriophyllum and Algæ. The Crustacea were all Allorchestes and Asellus. The insects included a trace of Chironomus larvæ and a few water beetles (Hydrophilidæ), and the usual Neuroptera larvæ, among which case-flies of the genus Leptocerus were noticed.

Not a trace of fishes was found in the stomachs of these specimens; and this fact, together with the large percentage of molluscan food, constituted the leading alimentary peculiarities of the species.

The first of these is doubtless related to the small mouth,—the second to the stout, blunt pharyngeal teeth,—a character used in defining the genus. In all the preceding species the pharyngeals are set with more slender, pointed teeth.

EUPOMOTIS PALLIDUS, Ag. PALE SUN-FISH.

Having but few specimens of this rather uncommon species, I have examined the food of but one,—enough to indicate that it probably agrees closely with the preceding species.

This fish, taken in Clear Lake, Ky., had eaten largely of small Mollusca,—young Unionidæ, Planorbis, Amnicola, etc. These amounted to seventy-five per cent. of the food. The remaining elements were Chironomus larvæ, several small water beetles, (*Hydroporus hybridus*, *Cnemidotus 12-punctatus*, and *Haliphus*, sp.), an unknown aquatic pupa and a little pond-weed.

TABLE OF FOOD OF EUPOMOTIS AND CENTRARCHUS.

	EUPOMOTIS.				CENTRARCHUS.		
	One inch to two.....	Two to three inches..	Three to four inches..	Adults.....	One inch and under..	One inch to two.....	Adults.....
Number of specimens examined.....	9	5	2	9	5	1	2
I. MOLLUSCA.....	01	04	45	46			
Undetermined.....				07			
Gastropoda.....	01	02	45	33			
Amnicola.....				04			
Vivipara.....				11			
Planorbis.....				01			
Physa.....			40				
Acephala.....		02		06			
II. INSECTA.....	60	61	30	20	24	20	91
Undetermined.....	03	03					07
1. Diptera (larvæ).....	52	45	05	01	21		06
Chironomus.....	51	44	05	01	21		06
2. Coleoptera.....		02		02			
Hydrophilidæ.....		02					
3. Hemiptera.....						20	23
Corixa.....						20	23
4. Neuroptera (larvæ).....	05	11	25	17	03		55
Ephemeriidæ.....	05	05	25	03	03		55
Palingeniæ.....				03			
Agrionidæ.....		06					
Libellulidæ.....				08			
Phryganeidæ.....				02			
III. ARACHNIDA.....					01		
Hydrachnidæ.....					01		
IV. CRUSTACEA.....	39	35	25	22	75	80	

Table of food of *Eupomotis* and *Centrarchus*—Continued.

	EUPOMOTIS.				CENTRARCHUS.		
	One inch to two.....	Two to three inches..	Three to four inches..	Adults.....	One inch and under..	One inch to two.....	Adults.....
Number of specimens examined	9	5	2	9	5	1	2
Amphipoda (<i>Allorchestes</i>)		14	25	19	04		
Isopoda (<i>Asellus</i>)				09			
Entomostraca	39	21			71	80	
Cladocera	13	03			12		
Simocephalus	12	01			12		
Ostracoda	26	18			21	35	
Copepoda					38	45	09
V. VEGETATION		†		12			
Myriophyllum				04			
Chara				06			
Algae		†		02			

CENTRARCHUS IRIDEUS, Lac.

This little species is found in considerable numbers in ponds and streams in the southern hill-country of Illinois. My specimens, all taken in July, are from ponds and streams in the Mississippi bottoms in Union and Jackson counties, and from Cache R. and its tributaries in Johnson county.

Five of the young, from three-fourths of an inch to an inch in length, had eaten seventy-one per cent. of Entomostraca and twenty-one per cent. of larvæ of *Chironomus*; and, for the rest, about equal quantities of ephemerid larvæ and young *Allorchestes*, with a trace of water mites (*Hydrachnidæ*).

Thirty-eight per cent of the food was *Cyclops*; cyprids amounted to twenty-one per cent.; and twelve per cent. of *Simocephalus* completed the ratio of Entomostraca. The smallest specimen, three-fourths of an inch long, had eaten sixty per cent. *Simocephalus* and forty per cent. *Cyclops*.

About a fifth of the food of one specimen, an inch and an eighth in length, consisted of minute young *Corixas*, the remainder being about equally *Cyclops* and cyprids.

Only two specimens were examined which could be classed as adults,—one three and a fourth inches long, the other smaller. These indicate that the food of full-grown individuals differs from that of the young chiefly in the addition of considerable quantities of terrestrial and aquatic insects.

The gill-rakers of this species are numerous, long and slender—a fact reflected in the food. Fifteen per cent. of the contents of the

stomach of the largest specimen consisted of Cyclops, and five per cent. of Chironomus larvæ. Consistently with the small mouth and pointed pharyngeal teeth, no traces of fishes or mollusks were found in the food.

POMOXYS NIGROMACULATUS, Lac. BLACK CROPPIE. LAKE CROPPIE. SILVER BASS. BUTTER BASS.

POMOXYS ANNULARIS, Raf. WHITE CROPPIE. TIMBER CROPPIE. SILVER BASS.

These two species, often not distinguished even by experienced fishermen, agree so closely in food that I have not thought it worth while to treat them separately. In the Illinois and Mississippi Rivers they are much the most valuable and important of the family, excepting the black bass. They are nowhere else so abundant in the State, although occurring in the larger rivers generally and in the great lakes. The first species is commonest to the north, and the second southward, as far as my observation goes. In the Illinois, they are about equally abundant. These fishes are everywhere great favorites, and rank among the most important and promising of our smaller species. They are rarely found in creeks or small ponds, but seem to require deeper water for their maintenance.

The gill-rakers of this species are numerous, long and finely-toothed, constituting the most efficient straining apparatus to be found among the sun-fishes. The pharyngeal teeth are sharp, and the mouth is rather wide and considerably enlarged by the lengthening of the lower jaw.

Consistently with the hypothesis concerning the meaning of the gill-rakers which I had already formed from a study of the preceding species, before I came to this, I found that the young continued to feed almost exclusively upon Entomostraca much longer than the other sun-fishes. Six specimens between three and four inches long, had eaten little else than Entomostraca and the larvæ of minute Diptera (Chironomus and Corethra). Even full-grown specimens were found eating Cladocera more freely than any other food. As might be inferred from the pharyngeals, not a trace of molluscan food was found in the forty-two specimens examined, while fishes formed nine per cent. of the food of the twenty-seven adults. Most of these were eaten late in the season, when Entomostraca and insect larvæ became less abundant.

Food of the Young.

The smallest specimen, three-fourths of an inch long, had eaten about equal quantities of Cyclops and Simocephalus, with only a few Pleuroxus beside. Three, an inch long and under, had confined their food entirely to Entomostraca and Chironomus larvæ,—the latter forming about a fourth of the whole. A third of the Entomostraca were Cyclops, the remainder chiefly Simocephalus.

Six specimens between one and three inches long, differed especially in the introduction of about eighteen per cent. of *Corixas* and three per cent. of small ephemerid larvæ. *Chironomus* larvæ were reduced to seven per cent. The Entomostraca were about equally divided between *Cyclops* and *Cladocera*. One specimen taken in July, 1879, from the canal near Ottawa, had taken a large number of *Daphnella*.

Six specimens between three and four inches long were examined. Eighty-three per cent. of their food was Entomostraca, about three-fourths of this amount being *Cyclops*, and the remainder nearly all *Simocephalus*. Twelve per cent. of larvæ of *Chironomus* and *Corethra*, three per cent. *Corixas* and two per cent. larvæ of small ephemerids were the insect elements. *Chydorus*, *Pleuroxus* and *Cypris* were present in small numbers.

These fifteen young, agreeing so closely in food, irrespective of size, were nevertheless from a variety of situations and dates. All were from the Illinois River, its lakes and tributaries, from Ottawa to Pekin, but ranged in time from June to October in three different years.

Six were *P. nigromaculatus*, seven were *P. annularis*, and two were not identified specifically.

Food of the Adults.

An examination of the notes on the twenty-seven adults shows material differences of food at different parts of the year. As all but one were taken from the Illinois River, I have not the means of noting the correspondence of food with locality.

Five specimens taken at Peoria, in March, were found feeding most freely upon *Cladocera*, which composed fifty-five per cent. of their food. These were chiefly of the two species *Simocephalus vetulus* and *S. americanus*. These little Entomostraca were taken at that time in such quantity as visibly to distend the stomach when seen from the outside, and the immense numbers of their eggs gave a reddish color to the contents of the alimentary canal. The larvæ of Neuroptera, both "darning-needles" and May-flies (*Palingenia*), were also eaten in considerable numbers (thirty-nine per cent.). A small *Hybopsis*, a little darter (*Boleosoma maculatum*) and an unrecognizable fish were found in these stomachs, making about six per cent. of the food. Only trivial numbers of Entomostraca appear after this time.

Nine specimens, taken in April, likewise at Peoria, were feeding chiefly upon Neuroptera larvæ (eighty-six per cent.), especially upon that almost invaluable element of fish food, the larvæ of *Palingenia bilineata* (sixty-six per cent.). A few larvæ of *Gyrinidæ* and *Dytiscidæ* were noted (three per cent.), and a few *Corixas* also. A *Gammarus fasciatus* and a little *Ceratophyllum*, etc., were noticed; and also the flower of an elm and the feather of a bird.

A single specimen from Pistakee lake, in McHenry county, taken in May, gave evidence of a similar reliance upon neuropterous larvæ (eighty-five per cent.) Here, however, in the absence of

Table of Food of *Pomoxys*—Continued.

	One inch and under	One inch to three...	Three to four inches	March, Peoria.....	April, Peoria.....	May, Pistakee Lake	June, Peoria.....	July, Ottawa.....	October, Peoria.....	November, Henry..	Total adults.....
No of specimens.....	3	6	6	5	9	1	1	1	5	5	27
III. CRUSTACEA.....	72	72	83	57	10						12
Gammarus.....					+						
Entomostraca.....	72	72	83	55	10						12
Cladocera.....	49	33	17	55	10						12
Daphniidæ.....	46	18	17	55	+						12
Lyncæidæ.....	03	01	+								
Sididæ.....		14									
Ostracoda.....			01	+	+						
Copepoda.....	23	39	65		+		+				
IV. Vegetation.....				+	+	10	+	+			

Summary of the Family.

For the purpose of a comparative recapitulation of the above data respecting the food of the sun-fishes, I have prepared three condensed tables, showing, upon the same page, the food of the different genera in parallel columns. The first table exhibits the food of the youngest specimens, the second, of those of intermediate size, and the third, of those which may properly be regarded as mature.

By an inspection of the first table, it will be seen that the thirty specimens, one inch long and under, representing eight genera, which appear thereon, have eaten little else than Entomostraca and larvæ of Chironomus—these two elements amounting to ninety-three per cent. of the food. The only exception to this rule (that of the rock bass) is apparent rather than real. The large percentage of neuropterous larvæ appearing under the name of that species is a technical ratio, inserted only for the sake of consistency, being based upon the fact that one of the specimens examined contained no food except a few traces of some indeterminable minute larva of that order. The minor differences in the food of the generic groups are doubtless due to differences of locality, and the like. That Ostracoda, for example, were found only in the stomachs of Centrarchus, is accounted for by the fact that the youngest specimens of this genus were taken from small mud-holes, favorable to the occurrence of Entomostraca of that order. The uniformity of food at this time implies that the selective apparatus of these fishes, whatever its construction, has not yet grown beyond the size of these minute animal forms.

From the second table of one hundred and six specimens we learn that with a general change of food from Entomostraca and Chironomus to larger Crustacea and insects, there appear certain differences—notably the continuance of Entomostraca as the most important element in *Pomoxys*, and the occurrence of mollusks in *Eupomotis* and of fishes in *Micropterus*. It is important to recall, at this point, that *Pomoxys* has the largest, finest and most numerous gill-rakers of the group—the best *straining* apparatus, in short,—that *Eupomotis* has stout and pharyngeal teeth, and that the black

bass have relatively the widest mouths of all. It is also to be noted that the large-mouthed bass commenced to take fish when an inch and a quarter long, and the small-mouthed species not until it reached a length of two and a half inches.

It will also be observed that Entomostraca are least abundant in the food of the small-mouthed black bass and the rock bass—species found usually in swift and shallow water, when of this size. The importance of water-bugs (*Corixa*) to the first three species of this table is evident.

From the table of adult food we find that these commencing peculiarities of the preceding table become here more prominent. All the Entomostraca of this table, except insignificant traces, now appear in the food of *Pomoxys*; the molluscan food of *Eupomotis* is nearly five times that of any other genus; and the ratios of fish food, running from eighty-six per cent. down to nothing, when arranged in a series, are seen to correspond, with curious exactness, to a series of the species themselves arranged according to the relative sizes of their mouths.

I was disappointed in being unable to find any food characteristics corresponding to such minor differences in the lengths of the gill-rakers of the anterior arch as appear in *Lepiopotomus*, *Apomotis*, etc., on the one hand, and *Xenotis* and *Eupomotis* on the other. If such peculiarities exist, they can probably be determined only by taking at one time and place a number of specimens of unlike character in this particular.

While I believe that the generalizations made above will hold good, at least for fishes of similar form and internal structure among the Acanthopteri, I do not wish to be understood as extending them at present beyond this order. Doubtless, while the characters mentioned must assist greatly in determining the food of a species *a priori*, they are not by any means sufficient for this purpose when taken by themselves. The discussion of other features, external and internal, bearing upon this subject, must be postponed to a later period of the investigation.

TABLE OF FOOD OF YOUNG CENTRARCHIDÆ. (*One inch and under.*)

	Micropterus pal- lidus	Micropterus sal- moides	Ambloplites	Chenobryttus ..	Apomotis	Lepiopotomus ...	Xenotis	Eupomotis	Centrarchus ...	Pomoxys	Undetermined ..	Total
Number of specimens.....	5	3	3	2	1	5	..	..	5	3	6	30
I. INSECTS.....	..	33	..	..	02	37	..	..	24	28	..	12
1. <i>Diptera</i> (larvæ).....	..	05	..	..	01	37	..	..	21	28	..	13
<i>Chironomus</i>	..	05	..	..	01	37	..	..	21	28	..	13
2. <i>Hemiptera</i>	..	..	..	..	01	..	..	..	..	..	..	..
<i>Corixa</i> (young).....	..	..	..	..	01	..	..	..	..	..	..	..
3. <i>Neuroptera</i> (larvæ).....	..	..	34	..	..	..	..	..	03	..	..	04
II. ARACHNIDA (Hydrachna).....	..	..	..	..	..	04	..	..	01	..	..	01
III. CRUSTACEA.....	100	61	100	98	59	..	..	..	75	72	100	82
Tetradecapoda	07	..	..	..	02	..	..	..	04	..	..	02
Entomostraca	93	61	100	98	57	..	..	..	71	72	100	80
<i>Cladocera</i>	87	58	70	03	37	..	..	..	12	49	88	53
<i>Ostracoda</i>	..	..	..	..	..	..	..	..	21	..	..	04
<i>Copepoda</i>	06	03	30	95	20	..	..	..	38	23	22	23

TABLE OF FOOD OF YOUNG CENTRARCHIDÆ. (One to four inches.)

	Micropterus pallidus...	Micropterus salmoides.	Ambloplites	Chenobrytus	Apomolis	Leptopomus	Xenotis	Eupomolis	Centrarchus	Pomoxys
Number of specimens	12	24	5	8	10	16	.....	16	3	12
I. FISHES	15	06	.....	.....	.....	.....	.....	08	.....	.....
II. MOLLUSCA .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
III. INSECTA	72	67	98	61	78	51	.....	56	67	22
1. <i>Diptera</i> (larvæ)	01	03	02	18	09	28	.....	44	04	09
Chironomus	01	01	02	15	07	28	.....	43	04	08
2. <i>Coleoptera</i> .....	.....	02	01	.....	09	.....	.....	01	.....	.....
Terrestrial .....	.....	.....	.....	.....	07	.....	.....	.....	.....	.....
Aquatic .....	.....	02	01	.....	02	.....	.....	01	.....	.....
3. <i>Hemiptera</i> (aquatic)	50	50	78	10	16	11	.....	.....	23	11
Corixa	49	50	76	10	16	11	.....	.....	23	11
4. <i>Neuroptera</i>	14	12	.....	83	33	11	.....	10	37	02
Ephemeridæ	14	08	.....	08	29	05	.....	08	37	02
Odonata .....	.....	04	.....	19	04	06	.....	02	.....	.....
IV. ARACHNIDA .....	.....	.....	.....	.....	.....	07	.....	.....	.....	.....
V. CRUSTACEA	13	26	02	88	22	32	.....	36	.....	78
Decapoda .....	.....	.....	01	.....	01	.....	.....	.....	.....	.....
Tetradecapoda .....	.....	23	.....	.....	04	.....	.....	08	.....	.....
Entomostraca	13	03	01	38	17	32	.....	28	38	78
Cladocera	07	03	.....	29	09	08	.....	08	.....	25
Ostracoda .....	.....	.....	.....	.....	03	03	.....	20	12	01
Copepoda	06	.....	01	09	05	20	.....	.....	21	52
VI. POLYZOA .....	.....	.....	.....	.....	.....	05	.....	.....	.....	.....
VII. LUMBRICUS .....	.....	.....	.....	.....	.....	04	.....	.....	.....	.....
VII. VEGETATION .....	.....	01	.....	01	.....	01	.....	.....	.....	.....

TABLE OF FOOD OF ADULT CENTRARCHIDÆ.

	Micropterus pallidus...	Micropterus salmoides.	Ambloplites	Chenobrytus	Apomolis	Leptopomus	Xenotis	Eupomolis	Pomoxys
No. of specimens examined	14	3	4	6	8	24	6	9	27
I. FISHES	86	38	15	46	36	.....	07	.....	16
Acanthopteri	15	.....	.....	.....	.....	01	.....	.....	03
Dorysoma	58	.....	.....	.....	.....	.....	.....	.....	.....
Cyprinidæ	06	.....	.....	.....	12	.....	.....	.....	08
Siluridæ	07	.....	.....	.....	.....	.....	.....	.....	.....
II. MOLLUSCA .....	.....	.....	.....	.....	.....	10	08	46	.....
Gasteropoda .....	.....	.....	.....	.....	.....	10	04	33	.....
Acephala .....	.....	.....	.....	.....	.....	.....	04	06	.....
III. INSECTA .....	.....	.....	52	51	42	45	82	20	73
1. <i>Diptera</i> (larvæ) .....	.....	.....	06	.....	.....	01	37	01	01
Chironomus .....	.....	.....	.....	.....	.....	.....	37	01	.....
2. <i>Coleoptera</i> .....	.....	.....	03	10	05	13	06	02	01
Terrestrial .....	.....	.....	.....	10	.....	06	04	.....	.....
Aquatic .....	.....	.....	03	.....	05	.....	.....	02	01
3. <i>Hemiptera</i> (Corixa) .....	.....	.....	.....	18	03	02	17	.....	01
4. <i>Orthoptera</i> .....	.....	.....	.....	.....	.....	02	.....	.....	.....
5. <i>Neuroptera</i> .....	.....	.....	42	25	38	24	16	17	68
Ephemeridæ .....	.....	.....	21	25	27	03	.....	04	52

Table of Food of Adult *Centrarchidæ*—Continued.

	Micropterus pallidus ..	Micropterus salmoides.	Ambloplites.....	Chenobrytus.....	Apomolis.....	Lepidomus.....	Xenotis.....	Eupomotis.....	Pomoxys.....
No. of specimens examined.....	14	3	4	6	8	24	6	9	27
Palingenia.....				25	01	02		03	52
Odonata.....			06		02	12		08	13
Stalidæ.....					04	06			01
Phryganeidæ.....			15			03	08	01	
IV. ARACHNIDA.....			+						
V. CRUSTACEA.....	07	62	31	+	20	18	03	22	12
Decapoda.....	07	62	31		20	01			
Tetradecapoda.....						17	03	22	
Entomostraca.....				+		+			12
Cladocera.....				+		+			12
Ostracoda.....						+			+
Copepoda.....									
VI. POLYZOA.....						02			
VII. VEGETATION.....	+		02		02	24		12	+
Miscellaneous.....	07								

HAPLODONOTUS GRUNNIENS, Raf. SHEEPSHEAD. GRUNTING PERCH.

This species is abundant in Lake Michigan and the larger rivers, occurring in the smaller streams rarely, at periods of exceptionally high water. It is sometimes eaten, but is regarded usually as unfit for food.

But six of the twenty-five specimens studied were young, and the smallest of these, from the Ohio R., in September, was an inch and an eighth in length. Seventy-five per cent. of its food was larvæ of *Chironomus* and twenty-five per cent. larvæ of *Palingenia bilineata*. Besides the usual indications that the food of the very young is made up of minute animals, we see here evidence that this species seeks its food from the first upon the bottom. In a specimen two inches long, the *Chironomus* larvæ fell to fifteen per cent., while the *Palingenia* larvæ rose to eighty per cent., and other ephemerids and Cyclops made up the remainder of the food.

Four specimens, also from the Ohio, at Cairo, from two to four inches long, were found to have recently fed upon ephemerid larvæ and larvæ of aquatic beetles, Gyrinidæ and Hydrophilidæ, in about equal quantities. Only five per cent. of their food was *Chironomus*.

Sixteen individuals of medium size were taken from the Illinois and Ohio rivers, in April, June, September and October of four different years. There was nothing in the contents of these stomachs to indicate any difference in food resulting from these differences of

date and situation. The food, on the contrary, was remarkably simple and uniform, consisting chiefly of the larvæ of Neuroptera (eighty-four per cent.), of which *Palingenia bilineata* formed altogether the most important part (seventy-six per cent.),—the remaining eight per cent. being dragon-flies. A single small sucker (*Catostomidæ*), a few mollusks (*Planorbis*, young *Unios* and thin-shelled *Anodontas*), and some *Aselli* complete the brief dietary of this group.

It is not until we examine the food of full-grown specimens that we wholly appreciate the utility of the enormous crushing pharyngeal jaws with their pavement teeth, found in this species. The entire food of the three large specimens examined, taken at Peoria, in April and October, proved to consist of mollusks only, including forty-six per cent. of the thick and heavy water snail, *Melantho decisa*, whose shell probably no other fish in our rivers could break. *Cyclas*, *Anodonta* and undeterminable *Gasteropoda* composed the remainder of the food.

THIRD ANNUAL REPORT
OF THE
ILLINOIS
BOARD OF PHARMACY,

WITH
Abstract of State Pharmacy Register.

1884.

MEMBERS OF THE ILLINOIS BOARD OF PHARMACY.

GEORGE BUCK, Chicago.

JOHN E. ESPEY, Bloomington.

HERMAN SCHROEDER, Quincy.

FRANK FLEURY, Springfield.

CHAS. W. DAY, Allendale.

ILLINOIS BOARD OF PHARMACY,

OFFICE OF THE SECRETARY:

SPRINGFIELD, October 1, 1884.

To His Excellency, JOHN M. HAMILTON, Governor:

SIR—I have the honor to submit to you, and the Illinois Pharmaceutical Association, the Third Annual Report of the Illinois Board of Pharmacy.

Very respectfully,

CHAS. W. DAY,

Secretary of the Illinois Board of Pharmacy.

GENERAL REMARKS.

The Pharmacy Act now in force in Illinois not only requires that an annual report from the Board shall be presented to the citizens of the State, through the Executive, but that the condition of pharmacy shall be reviewed and the effect of legislation shown. The Board of Pharmacy are not alone mere examiners whose business it is to ask a series of questions and pass upon answers given,—they are Educators; their functions include the close scrutiny of the ability of persons entering the profession to investigate complaints of adulterations and prosecute those who strive to impose on the unwary and fatten on ill-gotten gains, to insist upon a compliance with the law, and to throw around the lives of the people all safe-guards possible; and, by their suggestions and advice, bring about a better understanding between pharmacists and the people, who direct the law making power. At the time of the passage of the act for the regulation of the practice of pharmacy, nearly four years ago, there was much complaint in reference to the careless handling of medicine. It was common to find in the press, reports of errors, many times fatal, usually caused by pharmacists leaving their stores in charge of incompetent assistants. Expensive drugs were adulterated for the purpose of increased profits, and in many places the illegal sale of intoxicants was a leading feature of daily business.

Pharmacy is defined to be "the art or practice of preparing, preserving and compounding substances for the purpose of medicine." When we take into consideration the fact that the substances so prepared are frequently, in unusual doses, capable of acting deleteriously on the body and of endangering or destroying life, the necessity of confining the practice of this profession to competent educated persons must be apparent to all.

The condition of pharmacy in Illinois is vastly improved. This is no doubtful statement—its truth is attested in the popularity of the law with the people; the most gratifying compliments are pronounced upon it in all sections. Popular opinion to-day demands from the pharmacist more than the ordinary routine knowledge of dealing in drugs; and if a druggist does not possess a comprehensive knowledge of his calling, people seek one who does, even at expense and inconvenience. To such an extent has this idea been kept in mind and followed, that large numbers of men engaged in the business in 1881 left the State, and we now have several hundred less. This decrease has had another happy effect, and one entirely unforeseen.

The removal of so large a number of druggists has resulted in increased sales for the remainder and done away with the necessity of liquor-selling to insure a livelihood, hence the pharmacy law has proven a partial solution to the vexed liquor question, a consummation that is gladly hailed not alone by temperance advocates, but by all who desire to have a noble science untrammelled by this degrading traffic. Again, many persons uneducated in pharmacy have heretofore opened stores in which a large traffic in intoxicating liquors was carried on under the guise of selling drugs. Such persons are now prevented from opening drug stores, and thus the law is a restraint upon the liquor traffic in a manner not contemplated in its passage.

As before stated, the Board is in the fourth year of its organization, and in that time but one error has occurred by a registered pharmacist. This fact alone speaks volumes in behalf of pharmacy legislation. Careful and extensive enquiry throughout the State develops the fact that at no time in our history have so few adulterations been offered to dealers, and we are constrained to believe that the power for investigation and prosecution vested in the Board by section 13 of the law, has placed a wholesome restraint upon offenders in this direction. The number of graduates of colleges of pharmacy has been largely augmented. This increased interest in the pursuit of pharmaceutical knowledge is due to the enactment and rigid enforcement of pharmacy laws. The manifest destiny of Illinois is to become the first State in the American Union, and among the progressive members of her great body the science of Pharmacy will keep pace and take no mean part in bringing to her the crown of leadership.

The power of the present pharmacy law would be greatly enhanced by the passage of some needed amendments. In all enactments language admitting of perversion, evasive and mystifying argument occurs, and the pharmacy act is no exception. In prosecuting offenders, the Board is met by the ingenious arguments of skillful attorneys. Cases are usually prosecuted before justices of the peace, who are not familiar with the law and have not the legal training that would enable them to grasp it in all its bearings during the time usually occupied in the trial of one case.

Section 12 provides that any person, other than a registered pharmacist, who shall "keep" a pharmacy, shall be liable to a penalty of fifty dollars. It will be noticed that no other word is used indicating the act which constitutes the violation, except the word "keep." In many stores there is a joint ownership or a silent owner, a non-resident owner and a pretended disinterested person in charge of the business, or some other combination as to the management of the business, consequently a discussion as to who *keeps* the place. There can be no dispute, each and every person connected with the ownership or the management of the business should be liable to the penalty, but under the present indefiniteness of the law, there is ample room for discussion as to who *keeps* the store, and consequently who should be punished, if *any one*. The law should be broader and more explicit in this respect. The chief and greatest difficulty to overcome in the enforcement of the law, is the exception which permits the sale of "the usual domestic

remedies." The meaning of the expression is not defined by statute, nor does it have a meaning in any department of science or education. Probably the author of this clause was borne back to childhood days, and had in mind the many simple compounds prepared in the family, such as goose grease, toast water, skunk oil, chicken broth, catnip tea, wormseed tea, vegetable syrups, "*strap oil*," etc., etc., ad libitum, and given in heroic doses, but the meaning is open to each individual's necessities or whims, and is extended according to caprice, until it is held to include every drug named in the Pharmacopœia. It is argued that it means or includes all drugs that any non-professional may call for and use, without the intervention of a physician. As there are few drugs kept in the ordinary drug store which are not at times used by persons in some locality, the foundation is laid from which a friendly jury can jump at an acquittal. This clause should either be defined by our Assembly, or stricken from the act—preferably the latter.

A part of section 12 imposes a penalty of \$50 upon any *registered* pharmacist who permits the sale of any drug, medicine or poison in his store by an unregistered person. This penalty only attaches to a *Registered Pharmacist* who permits such sale, and it should attach to *any* person who permits such sale, whether registered or unregistered.

There does not seem to be any good reason why registered assistant pharmacists should be obliged to accept certificates of registration of a lower grade than pharmacists. All persons now so registered have had an experience of at least six years, many of them fifteen to twenty, in retail drug stores, and it seems but just that such change be made in the law as would permit this overworked and worthy class to register as registered pharmacists.

The law admits to examination persons having had two years' experience in drug stores; this term should be increased to four years. When a boy enters a drug store with a view to becoming a pharmacist, he is usually employed a year or more in a great variety of services, opening and closing the store, sweeping and dusting, cleansing mortars and other utensils, washing bottles, stirring evaporating liquids, etc.—engagements requiring but moderate skill; and not until the second, and sometimes the third year, does he begin to acquire the special knowledge requisite in the well informed drug clerk. An apprenticeship of four years in a retail drug store is demanded by all well regulated colleges of pharmacy, and a proper regard for the lives and health of our citizens makes it imperative that all persons be debarred from practicing pharmacy who have not had an experience of at least four years. During the session of the last General Assembly the Secretary of this Board prepared a bill for an amendment which proposed to abolish all diploma distinction in the State pharmacy law and make examination the sole test for registration. The bill was kindly introduced by Hon. L. L. Hiatt, of Du Page county, but failed to receive enough votes in the lower branch of our Assembly to secure its passage. The qualifications for registration should be uniform, giving to the graduate in pharmacy, the graduate in medicine, and the non-grad-

uate, if competent, as ascertained by the Board, equal privileges, and if incompetent, deserved rejection.

The Board have, during the past year, engaged in a vigorous prosecution of violators of the law. The employment of a special attorney, E. S. Smith, Esq., of Springfield, for this purpose, has ensured the prosecution of every case where the evidence was satisfactory, and has been attended with marked and successful results. Pharmacists have been urged to assist the Board by giving information and evidence of violations. For obvious reasons the Board decline to notice anonymous communications.

The Board have held, during the year, five meetings, three at Chicago and two at Springfield.

Two examinations were held at Chicago and two at Springfield.

Total number of applicants examined 212, of which number 109 were successful.

Total number of persons registered during the year:

Registered Pharmacists.....	3,058
Registered Assistant Pharmacists.....	761

Of this number Chicago furnished:

Registered Pharmacists.....	435
Registered Assistant Pharmacists.....	167

During the year the Board have successfully prosecuted sixteen cases, and from the fines collected there has been paid into the school fund of the different counties in which convictions were obtained, \$350, and this without an expense of one dollar to the counties or State treasury.

The correspondence of the Secretary's office grows larger each year. During the year ending June 30, 1884, there was received 3,027 letters and postal cards, and this number is exclusive of the communications addressed to the attorney of the Board or the regular applications for registration and renewals.

Two hundred and nineteen diplomas have been presented for verification.

During the year 418 original registrations were granted. Of this number 228 were graduates in medicine, 56 graduates in pharmacy, 109 licentiates in pharmacy, 24 registered assistant pharmacists with five years' experience, and one by reason of being in business on July 1, 1881.

TRANSACTIONS OF THE BOARD.

TUESDAY, JULY 10, 1883.

Meeting of the Illinois Board of Pharmacy held in Club Room No. 2, Grand Pacific Hotel, Chicago, on Tuesday, July 10, 1883, at 2 o'clock P. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Fleury. Absent—Mr. Schroeder.

The special order of business being the examination of applicants for registration as licentiates in pharmacy, the roll of candidates was called, and forty-seven found to be present.

The class was addressed by Mr. Buck, who stated that no whispered consultations would be allowed, nor reference to note books or helps of any kind during the examination. After which Messrs. Fleury and Espey began the examination on *Materia Medica* and *Toxicology* and *Reading Prescriptions*.

At 7 o'clock P. M. the class having finished the papers, the Board adjourned until 9 o'clock Wednesday morning.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

WEDNESDAY, JULY 11, 1883.

Meeting of the Illinois Board of Pharmacy held in Club Room No. 2, Grand Pacific Hotel, Chicago, on Wednesday, July 11, 1883, at 9 o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Fleury. Absent—Mr. Schroeder.

Reading of minutes dispensed with.

The special order of business being the examination of the class in *Practical Pharmacy* by Mr. Day, and *Chemistry* by Mr. Buck, and the candidates being present, the examination was proceeded with.

The examination was concluded at 2 o'clock P. M., at which time the Board adjourned until 10 o'clock Thursday morning.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

THURSDAY, JULY 12, 1883.

Meeting of the Illinois Board of Pharmacy held in Club Room No. 2, Grand Pacific Hotel, Chicago, Ill., Thursday, July 12, 1883, at 10 A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Fleury. Absent—Mr. Schroeder.

Reading of minutes dispensed with.

Mr. Fleury moved that the following gentlemen, having passed a satisfactory examination, be declared Licentiates in Pharmacy of the State of Illinois, and that certificates be issued to them as such, viz:

Baker, Geo. R., South Evanston.	Bischoff, H. A., Chicago,
Camman, J. F., Chicago.	Collins, Albert, "
Galloway, H. H., "	Heller, Ludwig, "
Hendrie, Geo. F., "	Kennedy, C. C., "
Lamb, D. D., Galva,	Lundstrom, E. M., "
Mason, E. L., South Evanston.	McCormick, C. E., "
Myers, H. S., Chicago.	Noll, C. F., "
Packard, J. W., Rockton.	Perkins, J. S., "
Ross, Theo., Chicago.	Smith, J. A., Braidwood.
Stamm, D. M., Geneseo.	Steffens, O. H., Pullman.
Tobler, C. J., Chicago.	Vavra, V., Chicago.
Vradenburg, H. D., Rochelle.	Weston, Geo., "
Weisbruch, H. J., Peoria.	Whitfield, B., Quincy.

Total, 26. Carried.

The Finance Committee submitted the following report, which, on motion of Mr. Fleury, was received:

CHICAGO, ILL., July 12, 1883.

TO THE BOARD OF PHARMACY:

GENTLEMEN—Your Committee on Finance beg leave to report to you that they have caused the Secretary's books to be examined by W. H. Robertson, an expert bookkeeper, who has made a report in full thereon, and which is made a part of this report: the amount of balance cash as shown to be due by said expert's report, is \$6,883.56, and your committee are satisfied that the above sum is in the First National and Farmers' National Banks to the credit of C. W. Day, Secretary. As shown by the report of the expert Robertson, the ledger has not been posted up as to receipts for June, 1883, and would recommend that said ledger be immediately posted, and that hereafter the Secretary be required to make a balance sheet of the receipts and expenditures, and balance of funds on hand on the first days of September and December, 1883, and March, 1884, and an annual balance sheet showing the balance cash on hand on the first day of July, 1883, and the receipts and expenditures for the fiscal year ending July 1, 1884, and the balance of cash on hand on said 1st of July, 1884.

J. E. ESPEY,
FRANK FLEURY,
Committee on Finance.

Statement of the condition of the business of the Illinois Board of Pharmacy as shown by their books at the close of business, June 30, 1883.

RECEIPTS.

Received April 29, 1882, from F. Fleury, former Secretary.....		\$2,948 42
Received from Registered Pharmacists, May 1, 1882, to Dec. 31, 1882, ...	\$6,143 00	
1883 to date, ...	3,610 00	
		9,753 00
Received from Registered Assistant Pharmacists from May 1, 1882, to December 31, 1882, ...	\$447 50	
Received from January 1, 1883, to date, ...	288 50	
		716 00
		\$13,417 42

DISBURSEMENTS.

Paid current expenses as per vouchers, ...	\$3,556 36	
Paid salaries as per vouchers, ...	2,977 50	6,533 86
		\$6,883 56

F. FLEURY, Esq., Member Illinois Board of Pharmacy:

DEAR SIR—In obedience to your request I have made an examination of the books of this Board and obtained the facts as above stated. I am of the opinion that the accounts as represented by the books are correct, having taken the books of original entry as a basis and there proving them by the accounts as posted (with the exception of the receipts for 1883, which are not yet posted); this, however, would hardly seem possible in so short a period after the annual dues become due. A list of amounts received, and not yet posted, corroborates the statements first above given.

Yours respectfully,

WM. H. ROBERTSON,
Accountant.

Mr. Fleury moved that the Finance Committee be authorized to approve the bond of the Secretary, and when approved have him properly installed into office for the ensuing year. Carried.

The following claims were, upon motion of Mr. Fleury, referred to the Finance Committee:

W. H. Robertson, services as expert accountant.....	\$20 00
Mr. Washington, services as janitor, (Chicago).....	3 00
G. P. Engelhard & Co., advertising.....	15 00
T. W. S. Kidd, printing.....	28 20
Cadogan & Gardner, printing.....	3 75
Springfield Journal Co., printing 4,500 envelopes.....	16 50
Chas. W. Day, special expenses.....	48 10
Culver, Page & Hoyne, legal paper and pencils.....	2 00
Chas. W. Day, Secretary, general office expenses.....	196 45
J. E. Espey, per diem and expenses.....	76 60
F. Fleury, per diem and expenses.....	54 60
Geo. Buck, per diem and expenses.....	27 00

The above claims having been properly audited, Mr. Fleury moved that they be allowed and warrants drawn on the treasury for the amounts. Carried.

On motion of Mr. Espey, the Board adjourned to meet at Springfield, Ill., October 9, 1883.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

FRIDAY, AUGUST 17, 1883.

Meeting of the Illinois Board of Pharmacy, held in the office of Board, State House, Springfield, Ill., Friday, August 17, 1883, at 10 o'clock A. M., pursuant to call of the President.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Fleury and Schroeder.
Absent—Mr. Espey.

Minutes of preceding meetings were read and approved.

Mr. Day was accompanied to the office of the Secretary of State by Mr. Fleury and sworn into the office of Secretary of the Board of Pharmacy, for the term ending June 30, 1884.

Mr. Fleury made some remarks in reference to alleged violations of the Pharmacy act, and advised the employment of a legal adviser residing at Springfield, said counselor to investigate all complaints and begin prosecutions where ordered by the Board.

Pending the consideration of this matter, Mr. Schroeder moved the Board adjourn until 2 o'clock P. M.

Carried.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

*This is an error, the receipts having at that time been all posted excepting for a portion of month of June.
DAY, *Secretary*.

2 O'CLOCK P. M.

Meeting of the Illinois Board of Pharmacy, held in the office of the Board, State House, Springfield, Ill., Friday, August 17, 1883, at 2 o'clock P. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Fleury and Schroeder. Absent—Mr. Espey.

The matter of prosecutions was taken up. E. S. Smith, Esq., being present, at request of the Board accepted a proposition to serve them in the capacity of attorney for one hundred dollars per month, his necessary expenses to be paid when visiting foreign counties in the interest of the Board.

Mr. Fleury offered the following resolution, and moved its adoption:

Resolved. That E. S. Smith, attorney, of Springfield, be employed by the Board for a period of three months, commencing from this date (Aug. 17, 1883,) for the purpose of attending and compelling the registration of all persons who neglect or fail to comply with the law and to furnish such other legal advice as may be needed, for which duty he is to be paid the sum of one hundred dollars per month and all necessary expenses. No expenses or prosecutions to be incurred or commenced without the written consent first obtained of the committee on complaints and grievances.

Adopted.

On motion, the following claims were referred to the Committee on Auditing and Finance:

H. Schroeder, per diem and expenses.....	\$21 55
Geo. Buck, " " "	33 05
F. Fleury, " " "	5 00

Carried.

On motion, the above claims, having been properly audited, were allowed and orders drawn on treasury for amounts.

On motion, the Board adjourned.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

TUESDAY, OCTOBER 9, 1883.

Meeting of the Illinois Board of Pharmacy, held in the office of the Board, State House, Springfield, Ill., Tuesday, October 9, 1883, at 10 o'clock A. M., pursuant to adjournment.

Mr. Schroeder presiding.

Roll-call: Present—Messrs. Schroeder, Day, Espey and Fleury. Absent—Mr. Buck.

Reading of minutes of preceding meetings dispensed with.

Mr. Day read remarks of Secretary, to be incorporated in Annual Report.

Received.

Mr. Schroeder, Chairman, read report of Committee on Adulterations.

Received.

On motion, the Board adjourned until 10 o'clock Wednesday morning.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

WEDNESDAY, OCTOBER 10, 1883.

Board met October 10, 1883, at 10 o'clock A. M., pursuant to adjournment, but the Illinois Pharmaceutical Association being in session, it was decided to adjourn until 11th inst., at 2 o'clock P. M.

Attest: CHAS. W. DAY, *Secretary*.

THURSDAY, OCTOBER 11, 1883.

Meeting of the Illinois Board of Pharmacy, held in the office of the Board, State House, Springfield, Ill., October 11, 1883, at 2 o'clock P. M., pursuant to adjournment.

Mr. Schroeder presiding.

Roll-call: Present—Messrs. Schroeder, Day, Espey and Fleury.

Absent—Mr. Buck.

Reading of minutes of preceding meetings dispensed with.

The following resolution was on motion adopted:

Resolved by the Illinois Board of Pharmacy. That the case of the People of the State of Illinois vs. Howard C. Burks, in Adams county, for violation of the Pharmacy law, be appealed to the Circuit Court of that district, and this Board hereby authorize H. Schroeder to execute an appeal bond in said county, to the required amount, for this Board, and this Board hereby agree to indemnify said Schroeder against any loss or damage resulting therefrom.

The following resolution was offered, and on motion was laid on the table:

Resolved. That hereafter all registered assistant pharmacists that apply to the Board of Pharmacy for certificates entitling such applicant to engage in business on his or her own account, shall be instructed by the Secretary as to their rights under the law, and no other class or kind of certificate shall be issued to such applicant.

On motion the Board adjourned until 9 o'clock Friday morning.

Approved: H. SCHROEDER, *Acting President*.

Attest: CHAS. W. DAY, *Secretary*.

FRIDAY, OCTOBER 12, 1883.

Meeting of the Illinois Board of Pharmacy, held in the office of the Board, State House, on Friday, October 12, 1883, at 10 o'clock A. M., pursuant to adjournment.

Mr. Schroeder presiding.

Roll-call: Present—Messrs. Schroeder, Day, Espey and Fleury.

Absent—Mr. Buck.

Reading of minutes dispensed with.

Mr. Smith, attorney of the Board, presented a report of his services and read the same.

On motion, the report was received.

It was moved "to now consider the question" of assistant pharmacists that apply for registration as registered pharmacists. Carried.

It was moved that in the case of registered assistant pharmacists applying for registration as registered pharmacists, the Secretary shall instruct them that no action can be taken until the return of President Buck from Europe. Carried.

The following resolution was presented, and, on motion, adopted:

Resolved, That E. S. Smith, attorney, of Springfield, be employed by the Board for a period of three months, beginning November 13, 1883, for the purpose of attending and compelling the registration of all persons who neglect or fail to comply with the law, and to furnish such other legal advice as may be needed, for which duty he is to be paid the sum of one hundred dollars per month and all necessary expenses. No expenses or prosecutions to be incurred or commenced without the written consent first obtained of the Committee on Complaints and Grievances.

Mr. Smith being present accepted the terms of the above resolution.

It was moved to refer the following claims to the Committee on Finance and Auditing. Carried:

Paul Selby, P. M., postage stamps.....	\$24 00
Paul Selby, P. M., ...	23 00
Phillips Bros., printing.....	3 50
T. W. S. Kidd, ...	5 50
J. B. Brown, ink and mucilage.....	1 20
A. P. Cunningham, letter press.....	6 50
G. P. Engelhard & Co., advertising	10 00
F. Simmons, letter file.....	2 00
J. M. Garland, trunk for papers.....	3 75
E. S. Smith, Attorney salary and expenses.....	233 23
W. H. Hickman, three months' janitor services.....	18 00
Chas. W. Day, Secretary, three months' salary.....	500 00
Chas. W. Day, special expenses.....	20 55

The above claims having been properly audited, were ordered paid.

On motion, the Board adjourned until 1:30 P. M.

Approved: H. SCHROEDER, *Acting President*.

Attest: CHAS. W. DAY, *Secretary*.

1:30 O'CLOCK P. M.

Meeting of the Illinois Board of Pharmacy, held in the office of the Board, State House, Springfield, Ill., at 1:30 P. M., Friday, October 12, 1883, pursuant to adjournment.

Mr. Schroeder presiding.

Roll-call: Present—Messrs. Schroeder, Espey, Day and Fleury.
Absent—Mr. Buck.

Reading of minutes of preceding meetings dispensed with.

The special order of business being the examination of applicants for registration as Licentiates in Pharmacy, the Secretary called the roll, whereupon sixteen were found in waiting.

Mr. Schroeder, acting President, addressed the class, explaining the character of the examination and the rule of the Board in relation to note books and other helps, after which he proceeded to examine the class in practical Pharmacy.

At 4 P. M. Mr. Day took the class in Chemistry, and at 6 P. M. the Board adjourned until 7 P. M., to meet in the Art Gallery.

Approved: H. SCHROEDER, *Acting President*.

Attest: CHAS. W. DAY, *Secretary*.

7 O'CLOCK P. M.

Meeting of the Illinois Board of Pharmacy, held in the Art Gallery, State House, Springfield, Ill., October 12, 1883, at 7 o'clock P. M., pursuant to adjournment.

Mr. Schroeder presiding.

Roll-call: Present—Messrs. Schroeder, Day, Espey and Fleury.
Absent—Mr. Buck.

The special order of business being the examination of class in *Materia Medica* and *Toxicology*, by Messrs. Fleury and Espey, and the class being present, the examination was proceeded with.

At 11 P. M., on motion, the Board adjourned until 10 o'clock A. M., 13th inst.

Approved: H. SCHROEDER, *Acting President*.

Attest: CHAS. W. DAY, *Secretary*.

SATURDAY, OCTOBER 13, 1883.

Meeting of the Illinois Board of Pharmacy held in the office of the Board, State House, Springfield, Ill., Saturday, October 13, 1883, at 10 o'clock A. M., pursuant to adjournment.

Mr. Schroeder presiding.

Roll-call: Present—Messrs. Schroeder, Day, Espey and Fleury.
Absent—Mr. Buck.

Special order of business being the examination of answers to questions by the class, that business was proceeded with and the following named gentlemen, viz:

E. W. Armstrong, Decatur.	E. B. Hughes, Ipava.
F. C. Atwell, Collinsville.	J. H. Nungesser, Mascoutah.
C. W. Alexander, Monticello.	J. I. Nowotny, Hodge's Park.
E. J. Brown, Decatur.	H. H. Sikkema, Belleville.
Chas. H. White, Bloomington.	

—Total 9, having passed a satisfactory examination, were on motion, declared Licentiates in Pharmacy of the State of Illinois, and the Secretary was instructed to issue to each a certificate in proper form.

On motion, the following claims were referred to the Committee on Auditing and Finance:

H. Schroeder, per diem and expenses.....	\$92 20
Chas. W. Day, special expenses.....	5 00
J. E. Espey, per diem and expenses.....	41 50
F. Fleury, per diem and expenses.....	50 00

The above claims having been properly audited, were, on motion, ordered paid.

On motion, the Board adjourned to meet in Chicago, second Tuesday in January, 1884, at 10 o'clock A. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

TUESDAY, JANUARY 8, 1884.

Meeting of the Illinois Board of Pharmacy, held in the office of the College of Pharmacy, Chicago, Ill., on Tuesday, January 8, 1884, at 10 A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Schroeder.
Absent—Mr. Fleury.

Reading of minutes of previous meetings postponed.

The Secretary being busily engaged receiving applications for examination, on motion the Board adjourned until 2 o'clock P. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

2 O'CLOCK P. M.

Meeting of the Illinois Board of Pharmacy, held in the Lecture Hall, College of Pharmacy, Chicago, on Tuesday, January 8, 1884, at 2 o'clock P. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Schroeder.
Absent—Mr. Fleury.

Reading of the minutes postponed.

The order of business being the examination of applicants for registration as Licentiates in Pharmacy, the Secretary was instructed to call the roll, whereupon seventy-one candidates were found in waiting.

Mr. Buck addressed the class, and explained the manner of conducting examinations, calling attention to the fact that any member of the class detected in using text books, memoranda, or similar helps, would forfeit claim to registration.

Mr. Espey then proceeded to examine in Toxicology and Reading Prescriptions. At 3:45 P. M., Mr. Schroeder began examination in Practical Pharmacy, finishing the same at 6 P. M., at which time, on motion the Board adjourned to meet at 7 P. M., for examination in Materia Medica.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

7 O'CLOCK P. M.

Meeting of the Illinois Board of Pharmacy, held in Lecture Hall of Chicago College of Pharmacy, on Tuesday, January 8, 1884, at 7 o'clock P. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Schroeder.
Absent—Mr. Fleury.

Reading of minutes was postponed.

The special order of business being the examination of classes in Materia Medica, Mr. Buck took charge and distributed the printed questions. At 9:30 P. M., on motion, the Board adjourned to meet at

9 A. M., Wednesday, January 9, in Lecture Hall, College of Pharmacy, for examination in Chemistry.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

WEDNESDAY, JANUARY 9, 1884.

Meeting of Illinois Board of Pharmacy, held in Lecture Hall of Chicago College of Pharmacy, Wednesday, Jan. 9, 1884, pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Schroeder.
Absent—Mr. Fleury.

The special order of business being the examination in Chemistry, and the class being present, Mr. Buck took charge and proceeded to distribute the questions. At 11:15, the examination having been concluded, the class was dismissed.

Mr. Buck stated to the Board that the questions and answers in Materia Medica had been sent to Springfield, to Mr. Fleury, for his inspection, and suggested that inasmuch as considerable time would be necessary for examination to determine the standing of candidates, the Board should adjourn until Friday, 11th inst.

Mr. Espey moved that the Board do now adjourn, to meet Friday, January 11th, inst., at 10 o'clock A. M., in Room No. 6, Grand Pacific Hotel. Carried.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

FRIDAY, JANUARY 11, 1884.

Meeting of Illinois Board of Pharmacy, held in Room No. 6, Grand Pacific Hotel, Chicago, Illinois, on Friday, January 11, 1884, at 10 o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Schroeder.
Absent—Mr. Fleury.

Minutes of special meeting held in Springfield, August 17, 1883, and regular meetings held at same place October 9, 10, 11, 12 and 13, 1883, were read and approved.

Mr. E. S. Smith, attorney for the Board of Pharmacy, being present, submitted a written statement of cases prosecuted by him for violation of the Pharmacy Act, which was received and placed on file. A desultory conversation ensued regarding the Pharmacy Act and its enforcement. Mr. Smith explained the character of cases now pending in Circuit Courts for trial on appeal.

The Secretary presented a report relating to the working of the Pharmacy Act, and making some recommendations, which, on motion, was received.

The Secretary presented his quarterly financial report, which, on motion, was referred to the Auditing Committee.

Mr. Day moved an adjournment until 2 o'clock P. M. Carried.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

2 O'CLOCK P. M.

Meeting of the Illinois Board of Pharmacy, held in Room No. 6, Grand Pacific Hotel, Chicago, on Friday, January 11, 1884, at 2 o'clock P. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Schroeder.
Absent—Mr. Fleury.

Reading of minutes of previous meetings postponed.

Mr. Day moved to take up for consideration the resolution that was laid on the table at the meeting of the Board held October 11, 1883, and which is as follows:

Resolved, That hereafter all Registered Assistant Pharmacists that apply to the Board of Pharmacy for certificates entitling such applicant to engage in business on his or her own account, shall be instructed by the Secretary as to their rights under the law, and no other class or kind of certificate shall be issued to such applicant.

Carried.

Mr. Day moved the adoption of the resolution. Carried.

The Secretary read a statement from E. J. Congar, of Morrison, Illinois, a Registered Assistant Pharmacist, showing that under a misapprehension of his rights under the law, he had applied for, and received a plain seal certificate, when in fact, he having had more than five years' experience at the time of the passage of the act, was entitled to a certificate bearing a red seal; and prayed the Board to take such action as was necessary to secure to him all the privileges to which he was entitled. Ex-Senator Bent appeared in behalf of Mr. Congar, and certified to the correctness of Mr. Congar's statement, whereupon, on motion of Mr. Espey, the Secretary was instructed to change the registration of Mr. Congar to that of a five year assistant.

On motion of Mr. Espey, the Board adjourned until Saturday, January 12, 1884, at 9 o'clock A. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

SATURDAY JANUARY 12, 1884.

Meeting of the Illinois Board of Pharmacy, held in Room No. 6, Grand Pacific Hotel, on Saturday, at 9 o'clock A. M., January 12, 1884, pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Schroeder.
Absent—Mr. Fleury.

Reading of minutes of preceding meetings dispensed with.

Mr. Espey moved that the following named persons, having passed a satisfactory examination before the Board of Pharmacy, be declared Licentiates in Pharmacy of the State of Illinois, and that a certificate as such be issued to each, viz:

Armstrong, F. W., Chicago.	Baker, H. C., Chicago.
Barnard, G. L., Vandalia.	Burkholder, Jacob, Chicago.
Burton, Thos. R., Rockford.	Carson, J. H., Brimfield.
Donaldson, H. E., Polo.	Drewry, Edward, Elgin.
Felmley, Jno. S., Chicago.	Fisher, W. E., Chicago.
Freese, Chas. F., "	Freisheimer, Geo., Chicago.
Gallison, F. E., "	Grimm, Henry, Ph., "
Hoskins, Chas. B., "	Hutton, Robt., "
Kinsey, C. B., Cambridge.	McGinniss, D. L., New Berlin.
Marash, Frank, Chicago.	Mason, W. T., Chicago.
Merriwether, A. P., Alton.	Miller, Chas., "
Nunn, G. J., Macomb.	Parry, H. J., "
Porter, E. K., Carbondale.	Rogers, A. W., Oregon.
Rotenhagen, A. G., E. St. Louis.	Seville, A. S., Chicago.
Schaefer, Geo., Belleville.	Taylor, F. M., Ravenswood.
Schroeder, E. A., Chicago.	Wyckoff, E. E., Monmouth.
Total, 32.	Carried.

The following resolution was, on motion, adopted:

Resolved by the Illinois Board of Pharmacy. That the fee for the annual renewal of registration of Registered Pharmacists and Registered Assistant Pharmacists shall be paid to the Secretary on or before the first day of July, of each year, payable in advance for the year then next ensuing.

The Secretary stated that the Chicago Directory showed the names of a number of persons engaged in the drug business, whose names are not on the book of registration. The Secretary was instructed to investigate.

Mr. Schroeder moved that Mr. Buck be authorized to prepare the design and have printed a proper number of certificates for the coming year. Carried.

The following resolution was, on motion, adopted:

Resolved. That the thanks of this Board are due and are hereby tendered to the College of Pharmacy, and to the proprietors of the Grand Pacific Hotel, Chicago, for courtesies extended during the meeting of the Board, January 8 to 12, 1884.

On motion, the following resolution was adopted:

Resolved. That the Illinois Board of Pharmacy will not hereafter register any person as a graduate in Pharmacy, unless such person shall submit proper evidence to show an attendance upon two annual courses of lectures at a regularly incorporated college or school of Pharmacy—also that a proper question be incorporated in blank application No. 10, covering above.

Mr. Espey moved that all bills presented be referred to the Finance Committee. Carried.

Mr. Schroeder moved that the next regular meeting of the Board be held in Chicago, at the Grand Pacific Hotel, the second Tuesday in April, 1884. Carried.

On motion the Board adjourned until 7 o'clock P. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

7 O'CLOCK P. M.

Meeting of the Illinois Board of Pharmacy, held in Room No. 6, Grand Pacific Hotel, Chicago, on Saturday, January 12, at 7 o'clock P. M. pursuant to adjournment.

President Buck presiding.

Roll-call: Present — Messrs. Buck, Day, Espey and Schroeder. Absent—Mr. Fleury.

Reading of minutes of preceding meeting dispensed with.

Mr. Espey moved that E. S. Smith be continued as attorney for the Board until July 1, 1884, on same terms. Carried.

Mr. Smith being present, assented to the above motion.

Mr. Espey, chairman, presented the following report:

January 12, 1884.

Having examined the Secretary's report for the past three months ending January 1, 1884, I find the same to be correct.

Respectfully submitted,

J. E. ESPEY,

Chairman Finance.

On motion, the report was received.

Mr. Espey, chairman, offered the following:

To the Board of Pharmacy:

Your committee would recommend the following bills be allowed and orders drawn on Treasurer for the amounts:

J. M. W. Jones, for stationery.....	\$3 00
St. Louis Druggist, for advertising.....	1 20
A. P. Cunningham, for rubber bands.....	2 00
J. C. Hughes, reading proof Annual Report.....	16 00
J. McCullough, for ice.....	8 30
Paul Selby, P. M., for postage.....	40 00
J. B. Brown, for stationery.....	3 30
W. H. Hickman, for janitor services.....	14 30
J. B. Storey, for rent of tables and chairs.....	12 30
J. M. W. Jones, for stationery.....	1 25
G. P. Engelhard & Co., for advertising.....	5 00
E. S. Smith, for legal services and expenses.....	445 34
F. Fleury, per diem (four days services).....	20 00
Journal Co., printing Second Annual Report.....	279 75
Chas. W. Day, office expenses, etc.....	124 55
H. Schroeder, per diem, etc.....	84 30
Geo. Buck, " ".....	37 40
J. E. Espey, " ".....	68 25
Chas. W. Day, salary for quarter ending December 31, 1883.....	500 00
Paul Selby, P. M., for postage stamps.....	20 00

Respectfully submitted,

J. E. ESPEY.

Mr. Espey moved that the above claims be ordered paid. Carried.

On motion the Board adjourned.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

TUESDAY, APRIL 8, 1884.

Meeting of the Illinois Board of Pharmacy, held in Club Room A, Grand Pacific Hotel, Chicago, on Tuesday, April 8, 1884, at 9 o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey and Schroeder.
Absent—Mr. Fleury.

Reading of minutes of preceding meetings was postponed.

During the forenoon the Secretary was kept busy receiving applications for registration by examination.

At 2 o'clock P. M. the Secretary called the roll of applicants for examination, and seventy-eight answered to their names as called.

Mr. Buck addressed the class respecting the character and extent of the examination, after which the questions on Toxicology and Prescriptions were submitted by Mr. Espey, and he was followed by Mr. Schroeder on Practical Pharmacy.

At 6:30 o'clock on motion of Mr. Espey, the Board adjourned to meet at 9 o'clock Wednesday morning for examination in Chemistry and Materia Medica.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

WEDNESDAY, APRIL 9, 1884.

Meeting of the Illinois Board of Pharmacy, held in Club Room A, Grand Pacific Hotel, Chicago, April 9, 1884, at 9 o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey, Fleury and Schroeder.

The class being in waiting the examination was proceeded with, there being in charge Messrs. Buck and Fleury.

At 1:30 P. M., the examination having been concluded, the Board adjourned to meet in Room No. 32, Grand Pacific Hotel, at 4 P. M. on Thursday, April 10, 1884.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

FRIDAY, APRIL 11, 1884.

Meeting of the Illinois Board of Pharmacy, held in Room No. 32, Grand Pacific Hotel, Chicago, on Friday, April 11, 1884, at 10 o'clock A. M., pursuant to call of the President.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey, Fleury and Schroeder.

The minutes of meeting held in January, 1884, were read by the Secretary.

On motion of Mr. Fleury, the approval of the same was deferred.

Mr. Fleury moved that the following named persons, having passed a satisfactory examination, be declared Licentiates in Pharmacy of the State of Illinois, viz:

Baer, A. W., Downers Grove.	Lohman, N., Chicago.
Bargh, E. C., Geneva.	Lynch, John, Malta.
Beck, Chas., Kewanee.	Morse, J. W., Chicago.
Briggs, C. M., Hoopeston.	Pittman, Wm., Jerseyville.
Brown, H. B., Chicago.	Porter, F. L., Chicago.
Bauman, G. E., "	Ross, C. S., "
Day, E. E., Sheridan.	Rogers, S. P., Elgin.
Earle, C. A., Clifton.	Riess, C. E., Rock Island.
Enslee, C. L., Morris.	Riedel, A. J., Fairbury.
Eslaman, J. W. M., E. St. Louis.	Shean, J. R., Chicago.
Forberich, J. F., Chicago.	Sezauer, S. C., Lockport.
Garver, J. W., Bloomington.	Stuart, M. R., Chicago.
Godfrey, J. M., Chicago.	Smail, J. M., "
Hartwig, O. J., "	Shumpik, E., "
Hays, J. S., "	Stallings, Jno., "
Hellstern, W., "	Shinkle, F. L., Martinsville.
Holthoefer, H. J., "	Smith, L. S., Evanston.
Judy, C. F., Lawrenceville.	Tyrrell, F. M., Sheridan.
Kann, F. P., Chicago.	Waiss, F., Chicago.
Kirk, S. E., "	Wilson, T. T., Rochelle.
Kuester, E., Waterloo.	Waltersdorf, E. H., Chicago.
Total, 42.	Carried.

On motion of Mr. Espey, the Board adjourned to meet in same place at 2:30 P. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

2:30 O'CLOCK P. M.

Meeting of the Illinois Board of Pharmacy, held in Room No. 32, Grand Pacific Hotel, Chicago, Friday, April 11, 1884, at 2:30 P. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day, Espey, Fleury and Schroeder.

Reading of minutes of preceding meetings postponed.

On motion, the minutes of meeting held in January, 1884, were approved.

Mr. Fleury presented the following resolution, which, on motion, was adopted:

Resolved, That each person applying for registration as a graduate in Pharmacy, shall, before registration, produce satisfactory evidence that he has attended two annual courses of lectures at a regularly incorporated college or school of Pharmacy.

E. S. Smith, Esq., attorney of the Board, submitted a report of his services for three months, ending March 31, 1884.

On motion, the report was received and placed on file.

It was moved that the following bills be referred to the Auditing Committee:

G. P. Engelhard & Co., advertising	\$5 00
H. Schroeder, Quincy, per diem and expenses	95 05
Chas. W. Day, Springfield, salary quarter ending April 1, 1884	500 00
Chas. Finley, Chicago, janitor services	4 00
Geo. Buck, Chicago	3 50
Geo. Buck, Chicago, per diem and expenses	68 00
Western News Company, Chicago, stationery	3 78
Phillips Bros., Springfield, printing	4 00
Philbrick & Bush, Quincy, stenographing	5 00
Philbrick & Bush	22 80
The Pantagraph, Bloomington, printing	4 75
Cadogan & Gardner, Quincy, printing	3 75
Wm. Marlow, Springfield, janitor services	24 00
J. B. Brown, stationery	13 50
J. E. Espey, Bloomington, per diem and expenses	70 00
T. W. S. Kidd, Springfield, printing	54 75
Druggists Publishing Co., St. Louis, advertising	4 50
Western Bank Note Co., Chicago, engraving certificates	200 00
L. C. Collins, Jr., Chicago, legal services	25 00
The Pharmacist, advertising	15 00
John Morris, stationery	12 00
John Morris	4 50
Journal Co., Springfield, printing	4 00
F. Fleury, per diem and expenses	60 10
E. S. Smith, legal services	438 00
Chas. W. Day, special expenses	158 15

Carried.

Mr. Espey presented the following report from the Auditing and Finance Committee, April 11, 1884:

STATE BOARD OF PHARMACY:

GENTLEMEN—We, your Committee on Finance, having examined the above bills, find them correct, and recommend an order be drawn on the Treasurer for the several amounts.

Respectfully submitted,

J. E. ESPEY,
F. FLEURY.

Mr. Fleury moved that the bills be allowed. Carried.

The Secretary's financial report was presented, and referred to the Committee on Finance.

Mr. Espey, chairman, reported the same correct and satisfactory, recommending that the report be received and placed on file. Recommendation concurred in.

Mr. Day presented the claim of Edwin D. Lees for red seal certificate, with affidavit showing that he had been engaged as an assistant for more than five years prior to May 30, 1881.

On motion of Mr. Espey, the Secretary was instructed to change the registration of Mr. Lees to that of a five year assistant.

Mr. Schroeder moved that the Board proceed to the election of officers for the year commencing July 1, 1884. Carried.

Mr. Fleury placed in nomination for President Mr. George Buck, of Chicago.

There being no farther nomination, Mr. Fleury moved the Board proceed to the election. Carried.

The ballot being taken, resulted as follows: Geo. Buck, four votes; necessary to a choice, three votes.

Mr. Geo. Buck having received a majority of all the votes cast, was, on motion of Mr. Fleury, declared duly elected President of the Board for one year from the (first) 1st day of July, A. D. 1884.

Mr. Buck returned thanks for the honor conferred.

On motion of Mr. Schroeder, the Board proceeded to the election of a Secretary, for one year from the (first) 1st day of July, A. D. 1884.

Nominations being in order, Mr. Schroeder placed Chas. W. Day in nomination for Secretary.

No farther nominations being made, the Board, on motion of Mr. Espey, proceeded to ballot for Secretary, with the following result: For the office of Secretary of the Board of Pharmacy for one year from July 1, 1884, Charles W. Day received four votes, that being a majority of all the votes cast.

Mr. Day was, on motion of Mr. Fleury, declared duly elected. Mr. Day returned his thanks for the honor.

On motion of Mr. Day, the Board adjourned. .

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

SUMMARY.

Statement of the condition of the business of the Illinois Board of Pharmacy, as shown by their books, at the close of business June 30, 1884.

RECEIPTS.

Balance, cash on hand June 30, 1883.....		\$6,962 06
Received from Registered Pharmacists:		
From July 1, 1883, to December 31, 1883.....	\$1,999 00	
From January 1, 1884, to June 30, 1884.....	4,373 50	
		6,372 50
Received from Registered Assistant Pharmacists:		
From July 1, 1883, to December 31, 1883.....	\$115 00	
From January 1, 1884, to June 30, 1884.....	263 00	
		378 00
Received from Penalties:		
July 1, 1883, to December 31, 1883.....	\$75 00	
January 1, 1884, to June 30, 1884.....	296 19	
		371 19
		<u>\$14,083 75</u>

DISBURSEMENTS.

Paid current expenses.....	\$3,023 03	
Paid salaries as per vouchers.....	2,540 00	
Cash returned to Pharmacists, not entitled to registration, etc.....	175 10	
Cash returned to Assistant Pharmacists, overpaid, etc.....	16 00	
		5,754 13
Balance on hand.....		<u>\$8,329 62</u>

LIST OF CASES PROSECUTED DURING THE YEAR ENDING
JUNE 30, 1883.

PEOPLE v. H. F. WM. SCHMIDT.

September 22, 1883. Before A. H. Bryan, J. P., Champaign, Ill.

The defendant claimed to be ignorant of the law. Was in business when the law took effect but had no knowledge of it.

Judgment \$50 and costs. Paid.

PEOPLE v. DAVID SIMS.

September 15, 1883. Before A. H. Bryan, J. P., Champaign, Ill.

Defendant was a Registered Assistant conducting a store nominally for M. E. Sims & Co., of which firm he was not a member, and in which there was no Reg. Ph. No member of the firm gave any personal attention to the business. It was managed entirely by the defendant and clerks. Judgment before J. P. for \$50 and costs and appealed to Circuit Court, where the case is now pending.

PEOPLE v. GEO. BARTELLS.

September 28, 1883. Before Allen, J. P., Quincy, Ill.

Defendant left his store in care of an unregistered clerk, who sold drugs in his absence.

Judgment \$100 and costs.

PEOPLE v. *H. C. BURKS.

October 4, 1883. Before Allen, J. P., Quincy, Ill.

The defendant had an unregistered clerk but claimed he had instructed the clerk not to sell and that he had not sold any drugs or medicines in his absence, and not under his immediate supervision. Judgment for defendant. Appealed to Circuit Court.

PEOPLE v. J. S. NEWCOMER.

October 26, 1883. Before J. C. Luckey, J. P., Polo, Ill.

The defendant owned a drug store and gave his time to the business, but claimed to have a Reg. Ph. in his employ.

Verdict "not guilty."

*This case has since been decided in favor of the Board. Verdict, one hundred dollars and costs.

PEOPLE v. JOHN H. NEDROW.

October 3, 1883. Before Allen, J. P., Quincy, Ill.

The defendant claimed to have a Reg. Ph. in his employ and that he sold no drugs or medicines in his absence.

Judgment before J. P. for \$50 and costs.

Appealed to Circuit Court, and judgment for defendant.

PEOPLE v. P. T. ENTREKIN.

October 30, 1883. Before E. J. Eggman, J. P., East St. Louis, Ill.

The defendant claimed to be in partnership with a Reg. Ph. who claimed to have charge of the store. He also had a Reg. Assistant employed in the store.

Verdict "not guilty."

PEOPLE v. C. A. MARCHILDON.

October 31, 1883. Before J. H. Robinson, J. P., Cairo, Ill.

The evidence did not show that the defendant kept a pharmacy or sold any drugs, and he was discharged.

PEOPLE v. JOHN T. CRACKEL AND CHAS. R. HALL.

November 1, 1883. Before F. E. Pomeroy, J. P., Carmi, Ill.

Defendants claimed to have a Reg. Ph. in charge of the store at all times when any drugs were sold, and that no drugs were sold by any unregistered person except to physicians.

Judgment for defendants before J. P.

Appealed to Circuit Court, and judgment for \$50 and costs. Paid.

PEOPLE v. J. S. CHRISTY.

November 2, 1883. Before C. M. Carter, J. P., Lawrenceville, Ill.

Defendant claimed to be a competent druggist and to have a competent clerk. Neither was a Reg. Ph.

Judgment, \$50 and costs. Paid.

PEOPLE v. D. L. MCGINNISS.

Before H. B. Kane, J. P., Springfield, Ill.

Defendant claimed to be an experienced druggist, but was not registered.

Judgment, \$50 and costs. Paid.

PEOPLE v. S. D. BEERUP AND J. H. DENNIS.

Before H. B. Kane, J. P., Springfield, Ill.

Defendants were not registered, but claimed they had employed a clerk who said he was registered and whom they supposed was a Registered Pharmacist, but in fact he was not.

Judgment, \$50 and costs. Paid.

PEOPLE v. H. M. AND MARY E. FREES.

December 27, 1883. Before J. H. Ports, J. P., Milledgeville, Ill.

Defendants claimed not to be keeping a drug store. Had a general store. H. M. Frees was a practicing physician and kept some drugs for use in his practice as a physician, but not otherwise.

Trial by jury before J. P. and defendants discharged.

PEOPLE v. MOURNING BROS.

December 21, 1883. Before W. R. Hamilton, J. P., Carthage, Ill.

One defendant was a practicing physician but not registered.

Judgment, \$50 and costs. Paid.

PEOPLE v. F. A. SIMS.

Before A. H. Bryan, J. P., Champaign, Ill.

F. A. Sims was successor of M. E. Sims & Co., and not registered. Defendant left the State and no service was had.

PEOPLE v. THOS. K. HARDMAN AND WYLIE.

February 29, 1884. Before R. H. White, J. P., Chicago, Ill.

Mr. Hardman claimed to be a physician of many years' practice, the inventor of the "Druggists' Gem," and that defendants did not keep a pharmacy.

Judgment, \$50 and costs. Paid.

PEOPLE v. W. C. HADLEY.

Before N. C. Burns, J. P., Mount Carmel, Ill.

Defendant had an unregistered clerk employed who sold drugs.

Judgment, \$50 and costs. Paid.

PEOPLE v. H. C. KARSTEDT.

February 29, 1884. Before Randall H. White, J. P., Chicago, Ill.

Defendant refused to renew his registration at the beginning of the year fixed by the Board for the renewal of registrations and while continuing in business.

Judgment, \$50 and costs. Paid.

PEOPLE v. MRS. E. E. ROSENE.

February 29, 1884. Before R. H. White, J. P., Chicago, Ill.

Defendant succeeded her deceased husband, who was registered. Had clerks whom she considered competent.

Judgment, \$50 and costs. Paid.

PEOPLE v. J. N. AND THEO. BROWN.

February 29, 1884. Before R. H. White, J. P., Chicago, Ill.

Defendants had a physician employed who claimed to be registered but was not.

Judgment, \$50 and costs. Paid.

PEOPLE v. J. M. BOSART.

March 14, 1884. Before C. M. Carter, J. P., Lawrenceville, Ill.

Defendant was a practicing physician and Reg. Ph., and claimed to be in the employ of and conducting a drug-store for a firm neither of whom was registered, and while he was out of the store visiting patients unregistered clerks were left in the store and sold drugs in his absence.

Judgment, \$50 and costs.

Appealed.

PEOPLE v. C. A. SMITH AND H. A. MURPHY.

March 14, 1884. Before C. M. Carter, J. P., Lawrenceville, Ill.

Defendant claimed to have a physician who was a Reg. Ph. in their employ and in charge of the store at all times, and that no drugs or medicines were sold except under his direction and supervision.

Defendants discharged.

Appeal to Circuit Court. Judgment for \$50 and costs.

PEOPLE v. V. V. TUCKER.

April 15, 1884. Before B. Bailey, J. P., Peoria, Ill.

Defendant claimed to have a man in his employ who said he was registered but was not.

Judgment, \$50 and costs. Paid.

PEOPLE v. E. L. COOK.

May 27, 1884. S. H. Condit, J. P., Putnam, Ill.

Defendant claimed not to be the owner of the store; that he was only clerking; that the store was not a drug store, but one of general merchandise with some drugs in it for the convenience of a practicing physician; that no drugs were sold except under the direction of the physician.

Judgment for defendant.

Appealed.

REGISTERED PHARMACISTS.

ABINGDON.

Foltz, F. P.
Heller, Jos. M.
Heller, Wm. H.
Rowe, Jas. J.

ADAIR.

Allison, Zachary T.
Duncan, Thos. M.

ADELPHI.

Reichenbach, Chas.

ADRIAN.

Alphin, Wm. O.
Farney, C. S.
Wimmer, W. P.

ALBANY.

Chamberlain, Susannah E.

ALBION.

Low, H. Frank.
Michels, Benj. F.

ALEDO.

Craig, Augustus L.
Craig, Wm. D.
Johnson, David R.

ALEXIS.

Alexander, Edw. D.
Alexander, John E.
Weed, Alvah.

ALGONQUIN.

Nason, Wm. A.

ALHAMBRA.

Bucknell, S. E.

ALLENDALE.

Day, Chas. W.
Day, M. D.
Gray, F. S.
Leeds, H. M.
McIntosh, And. J.
Smith, Jas. E.

ALLISON.

Vaught, H. M.

ALPHA.

Norgren, Chas. E.

ALTAMONT.

Florin, Wm.
Dunsford, Joseph.

ALTON.

Bung, T. M.
Chamberlain, H. W.
Cotter, John A.
Detrich, Frederick S.
Finke, Adolph.
Joesting, Edw. B.
Marsh, Ebenezer.
Merriwether, A. P.
Roesch, Carl C.
Ulrich, Francis H.
Weigler, Geo. H.

ALTONA.

Anderson, A. W.
Becker, John.

ALTO PASS.

Magee, Henry.

AMBOY.

Arnold, J. M.
Briggs, Jas. S.
Green, Wm. A.
Merrifield, Alb. H.

ANDALUSIA.

Ross, Robt.

ANNA.

Otrich, Chas. L.
Parks, Clarence K.

ANNAPOLIS.

Hughes, Daniel.
Lickliter, Hiram.

ANNAWAN.

Forrest, B. F.
Pomeroy, Ruth T. H.

APPLE RIVER.

Carey, Chas. H.
Hall, Robt. L.
Hall, Wm.
Maynard, Malachi.

ARCOLA.

Boyd, Wm. P.
Harrah, John W.
Henry, Jos. P.
Henry, Percy L.
Johnston, John J.

ARENEVILLE.

McCarty, Wm. L.
Swope, J. M.

ARLINGTON.

Frank, L.
Hathorn, John E.

ARLINGTON HEIGHTS.

Dyas, W. M.

ARMINGTON.

Dempsey, D. S.
Lowrie, J. L.

ARMSTRONG.

French, Truman P.

ARROWSMITH.

Atherton, O. G.
Hull, Madison D.
Lester, Geo. F.

ARTHUR.

Barrum, John W.

ASH GROVE.

Turner, Wm. A.

ASHKUM.

Muehlenfordt, Aug.

ASHLAND.

Beaver, Isaac N.
Beaver, Romanus H.
Burnham, A. F.
Holthusen, E.
Ruggles, Albert G.

ASHLEY.

Berry, David.
Pace, Williamson C.
Welch, Andrew, Jr.
Welch, T. F.

ASHMORE.

Comstock, J.
Hobart, J. R.
Robertson, A. T.

ASHTON.

Charters, Geo. R.
Hicks, Chas. E.
Leach, Wm. J.

ASSUMPTION.

Brown, Sam'l D.
Denny, John A.
Long, Isaac L.
Travis, Miles B.

ASTORIA.

Bonnell, Alb.
Bonnell, Jos. G.
Tischer, Herman.
Mooney, Henry C.

ATHENS.

Hargraves, Michael.
Scott, Chas. C.
Stephens, A. N.

ATHENSVILLE.

Pulliam, W. W.

ATKINSON.

Everett, Edwin.
Jackson, J. M.

ATLANTA.

Gardner, Benj. F.

ATWATER.

Trout, W. A.

ATWOOD.

Abrams, James.

AUBURN.

Stout, Elihu T.
Wineman, Chas. H.

AUGUSTA.

Artz, Edwin.
Grigson, Richard J.
Kelly, John W.
Pitney, Orville L.

AURORA.

Allen, Geo. F.
Bussey, C. F.
Budlong, Wm. C.
Chase, John B.
Downing, W. H.
Foster, E. F.
Hartz, G. H.
Holmes, Jas. S.
Holmes, Wm. E.
Hurd, David W.
Staudt, John N.
Staudt, L. C.
Winslow, Darwin C.

AUSTIN.

Traill, Richard H.

AVA.

Dean, G. O.
Harris, Walter B.
Johnson, Jesse B.
Wagner, John J.
Wagner, Wm. G.

AVENA.

Van Wickle, R. D.

AVISTON.

Friederich, H. W. A.

AVON.

Clayberg, Sylvester S.

BAILEYVILLE.

French, D. H.

BALDWIN.

Fellers, W. J.
Rhodes, O. H.

BANDON.

Struble, John.

BARDOLEPH.

Curry, Geo. F.
Knapp, Jas. B.

BARRINGTON.

Abbott, Henry T.
Dickenson, Christopher.

BAER'S STORE.

Brown, Wm. T.
Young, John G.

BARRY.

Long, Geo. H.
Rowand, John R.
Rowand, Josiah S.
Weiss, Daniel K.

BASCO.

Caywood, Nathaniel H.
Nagelin, Alb.
Mourning, Wm. H.
Mott, Wm. G.

BATAVIA.

Kindle, M. M.
Patchin, Lyman J.
Wolcott, Seymour A.
Wolcott, W. A.
Van Liew, W. K.
Wilkinson, J. F.

BATH.

Alderson, Miles.
Harrison, D. C.

BAYLIS.

Mills, Martin C.

BEARDSTOWN.

Rice, Chauncy.
Rice, Jas. G.
Spring, Chas. M.
Unland, W. G.

BEASON.

McClelland, S. E.

BEAVERVILLE.

Caillouette, Godfrey.

BEECHER.

Ruden, Carl F.

BEECHER CITY.

Alsop, John.

BELENAP.

Johnson, Jesse W.

BELLAIR.

Holly, Walter D.

BELLFLOWER.

Stokes, Geo. W.

BELLE RIVE.

Guthrie, S. C.
Wheless, J. H.

BELLVIEW.

Bush, Geo. D.

BELLEVILLE.

Bunsen, R. P.
Feickert, Julius.
Feickert, Wm.
Hartnagel, H. A.
Harrison, C. W.
Kempff, Wm.
Kreitner, Frank.
Neubert, C. E.
Schaefer, George.

Schmitt, J. A.
Steingoetter, Henry.
Stokey, Lyman P.
Weingartner, Jacob J.

BELLMONT.

Newsum, Thos. J.
Newsum, P.
Small, John R.

BELVIDERE.

Church, Cassius M.
Foote, Jno. O.
Lewis, L. C.
Longcor, John C.
Ransom, Erasmus D.
Williams, A. O.
Yaw, A. J.

BEMENT.

Bodman, S. K.
Douglass, A. O.

BENSON.

Fry, John.
Learned, F. D.

BENTLEY.

Doty, E.

BENTON.

Hutson, E. G.
Rice, Valentine.
Webster, Cyrus C.
Webster, Byron E.

BENVILLE.

Akright, B.

BERLIN.

Price, Wm. B.

BERWICK.

Dimmitt, Frank W.

BETHALTO.

Neisler, Wm. F.
Randle, Edw. B.
Parks, H. F.

BETHANY.

McMennany, Benj. F.
Vadakin, J. H.

BIBLE GROVE.

Murvin, John

BIG ROCK.

Rhodes, Joshua

BIRD'S STATION.

Bristow, Oliver G.
Lindsay, N. F.

BIGGSVILLE.

McKee, John.

BISMARCK.

Young, James W.

BLACKBERRY.

Lewis, D. R.
Matthewson, Adelbert T.

BLACKSTONE.

Adams, E. F.

BLANDINSVILLE.Duncan, J. M.
Emery, Jas. H.
Ferman, Frank.
Fond, Alvin B.
Fond, Uall L.**BLOOMINGTON.**Blanchard, Edmund H.
Coblentz, John C.
Craig, Wm.
Dawson, R. H.
Dunn, Inrl.
Dyson, Dunbar S.
Espey, John E.
Foster, Daniel M.
Gaffron, C. F.
Green, Hamer H.
Garver, J. U.
Haering, Theo. T.
Hooper, A.
Loar, A. D.
Little, J. R.
McFadden, H.
Marmon, Wm. W.
Miller, John M.
Moore, J. P.
Randolph, B. F.
Rinehart, A. N.
White, C. H.**BLUE ISLAND.**

Schapper, F.

BLUE MOUND.Spoonner, Henry L.
Sprague, John C.
Uhrich, Phares.**BONE GAP.**

Morgan, Geo. C.

BOLTON.

St. John, Geo. W.

BOWENSBURG.

Marsh, Chas. C.

BRACEVILLE.Cook, Chas. W.
Frary, Frank M.
Kline, Edwin
Sexauer, Sam.**BRADFORD.**Harvey, Wm.
Plummer, David G.
Prouty, Chas. E.**BRAIDWOOD.**Barr, D. S.
Caron, Henry Le.
Charlton, C. K.
Smith, J. A.
Watson, Frank O.
Watson, Wm. J.
Wade, H. C.**BRESE.**

Gissy, Chas. E.

BRIDGEPORT.Cooper, G. W.
Frazer, Fremont.
Frazer, M. D.
Schmalhausen, Louis R.**BRIGHTON.**

Dickerson, J. T.

BRIMFIELD.Carson, J. H.
Fisk, F. E.
Robinson, Wm.**BRISTOL.**

Young, Horace.

BROWNSTOWN.

Rode, Sam'l W.

BRYANT.Kirkpatrick, Archie I.
Kirkpatrick, John I.**BUCKLEY.**Martin, John H.
Meacham, M. M.**BUDA.**Boal, Alb. D.
Boal, Jas. F.
Foster, Geo. S.
Toomey, Sylvester.**BUFFALO.**Tyler, C. H.
Watson, Thos. H.**BUNKER HILL.**Budd, Harry R.
Budd, Wm. N.
Delano, John A.**BUENSIDE.**

Yetter, Henry C.

BUSHNELL.Clarke, Alb. S.
Clarke, Clarence S.
Frisbee, Wm. J.
Johnson, John H.
Zook, D. E.**BUTLER.**Moyer, M. L.
Wesner, W. A.**BYRON.**Artz, Lydia R.
Evana, E. E.**BARTLETT.**

GUILD, E. C.

BERNADOTTE.

Strode, W. S.

BROOKLYN.

Willis, George.

BUCKINGHAM.

Smith, J. E.

BYERTON.

Bell, Henry.

CABERET.

Ennis, Wm.

CABLE.

Wray, A. L.

CAIRO.

Barclay, Jas. S.
 Barclay, P. W.
 Bross, L.
 Coffee, I. N.
 Lockwood, J. B.
 O'Hara, Geo. E.
 Schuh, Paul G.
 Schuh, H. W.
 Schuh, H. C.
 Steinfuhrer, G. A.

CAMBRIDGE.

Allen, J. H.
 Kinsey, J. C.
 Lamb, D. D.
 Pool, C. W.
 Smith, W. H.
 Wimermark, A. C.

CAMDEN.

Williams, Robt. A.

CAMERON.

Temple, Alfred J.
 Temple, Thos.

CAMPBELL HILL.

Brewster, James.
 Hanna, John F.
 Wahlman, C. W.

CAMP POINT.

Bartells, Geo. C.
 Christie, Jerome O.
 Griffin, E. C.
 Northam, C. H.
 Rainier, Hudson.

CAMPUS.

Littell, J. V.

CANTON.

Gardiner, James A.
 Hurst, Harry.
 Kyle, J. B.
 Plattenburg, P. W.
 Ross, P. C.
 Ruble, John B.
 Saville, Oliver
 Smith, Nicholas C.
 Webster, C. A.

CAPRON.

Nesmith, Marcus F.
 Reynolds, H. U.

CARBONDALE.

Parsons, M. G.
 Patten, Eustis.
 Porter, E. K.
 McAnally, J. F.
 Prickett, Chas. F.
 Prickett, Francis.
 Spencer, L. H.
 Sylvester, Roscoe G.

CARLINVILLE.

Boring, Alex. M.
 Graham, Wm. D.
 Glass, John H.
 Holliday, C. H.
 Klauenberg, Chas. H.
 McClure, Jas. A.
 McClure, Milton.
 Head, Eugene.
 Loehr, T. C.

CARLYLE.

Berger, Geo. H.
 Berger, Matthew.
 Harlan, J. M.
 Winheim, Gustav.

CARMAN.

Walker, Wm. C.

CARMI.

Berry, Daniel.
 Foster, Frank J.
 Stewart, Elam L.
 Wilcox, Chas. E.

CARPENTERVILLE.

Whittaker, T. L.

CARRIER MILLS.

Harris, D. W.
 Carson, U. C.

CARROLLTON.

Lindsay, Johnson C.
 Oswald, J.
 Reeve, J. E.
 Smith, Alex. H.
 Smith, Edward.
 Vedder, Sylvester A.
 Clemmons, C. P.

CARTERVILLE.

Hampton, R. H. H.
 Perry, Wm. H.
 Price, Jonathan
 Vick, J. W.

CARTHAGE.

Cutler, Dwight C.
 Shultz, Jackson.
 Shultz, Meriken E.
 Smith, Wm. T.
 Starkweather, Asa.
 Tressler, Martin L.

CASEY.

Boyd, Henry
 Gobble, Cephas C.
 Lee, H. B.

CASTLETON.

Lewis, Clara A.
 Holgate, J. R.

CATLIN.

Tilton, Sam'l R.
 Terpening, T. F.

CAVE IN ROCK.

Hill, Geo. W.
 Jack, John.

CEDARVILLE.

Richart, Henry.

CENTRALIA.

Blythe, Will.
Buck, Henry D.
Pfaff, Jerome J.
Marshall, James E.
Marshall, C. P.

CENTRAL PARK, CICERO.

Hurst, Chas.

CERRO GORDO.

Green, W. F.
Harsha, Wm. M.
Jones, Herbert C.
Miles, J. I.
Reploge, B. F.

CHAMBERSBURG.

Dennis, Willson S.

CHAMPAIGN.

Cunningham, Alb. P.
Faulkner, Lucas W.
Faulkner, Watson.
Karther, Henry C.
Maxwell, W. S.
Mollett, Benedict.
McAllister, Eli N.
Swannell, Henry.

CHANDLERVILLE.

Morse, John C.
Read, Ira N.

CHANNAHON.

Fitch, Jos.
Jackson, Wm. M.

CHAPIN.

McKinney, F. P.

CHARLESTON.

Barnes, Silas.
Calvert, David H.
Neal, James W.
Robertson, J. C.
Tirrill, H. L.

CHATHAM.

Ledbrook, Leonard R.
Thayer, Arch F.
Thayer, Edward R.

CHATSWORTH.

Bangs, Edward A.
Bangs, H. M.

CHAUNCY.

Patton, Daniel.
Smith, H. F.

CHEBANSE.

Burns, Geo. W.
DeVelling, J. D.
DeVelling, John M.
Watson, Wm. H.

CHENOA.

Banta, Thomas J.
Lenney, J. A.
Ruger, Dewey.

CHEMUNG.

Puffer, Samuel L.

CHERRY VALLEY.

King, Oscar.

CHESTER.

Anderson, Adolphus A.
Holm, Peter N.
Holbrook, E. E.
Jones, James F.
McKenzie, Alex. G.
McKenzie, Wm. R.
Wright, John M.

CHESTERFIELD.

Gary, Wm. A.
Towae, Thos.

CHICAGO.

Abbott, F. L.
Ackermann, George H.
Ackley, Ina L.
Adams, Lyman L.
Armstrong, F. W.
Armbrecht, Louis.
Allen, Charles B.
Allen, Charles S.
Arend, Augustus.
Armbrecht, William.
Ashbury, John W.
Axner, John F.

Baker, E. F.
Baker, John M.
Baker, Margaret M.
Baker, William.
Barber, George L.
Barber, Russel M.
Bartlett, N. Gray.
Baur, Hugo F.
Basse, William H. T.
Bearcroft, John H.
Beale, George H.
Beckwith, Henry J.
Behrens, Theodore R.
Baseler, Carl F.
Boyle, J. G.
Bischoff, H. A.
Braun, J. A.
Boysen, L. O.
Baker, H. C.
Baer, A. W.
Bauman, G. E.
Borland, L. W.
Bach, August.
Behrens, M. A. J.
Bonheim, L. M.
Button, C. E.
Burkholder, J.
Brown, H. P.
Behrens, P. J.
Berglund, John F. A.
Biroth, Henry.
Bischoff, E. G. F.
Bishop, A. S.
Blahuk, Larenz.
Blood, I. W.
Block, William F.
Bodemann, Wilhelm.
Boeckler, C.
Boland, James.
Bonheim, B. B.
Borchardt, Julius.
Borland, Matthew W.
Bovell, G.
Bowen, Charles F.
Brabrook, J. F.
Brandes, E.
Braun, Thomas.
Braun, P.
Brevede, Adolph C.
Breves, C.

CHICAGO—Continued.

Brooke, Firmen O.
 Bruun, Nicolai.
 Bryan, Alex. B.
 Bryan, Dean.
 Buck, George.
 Buchman, Henry W.
 Burlingham, Luke.
 Bush, Frank C.
 Bush, J. A., Jr.

Cammar, J. F.
 Clarke, F. P. F.
 Carlissen, E.
 Clarke, J. C. F.
 Collins, A.
 Christensen, H. A.
 Corke, Geo. L.
 Clapp, C. B.
 Camp, Charles D.
 Carter, H. W.
 Casey, James.
 Caldwell, F. C.
 Cheney, Lucian P.
 Christian, John T.
 Charbonnel, A. B.
 Church, F. L. W.
 Clancy, Cornelius L.
 Clacius, Charles E.
 Clark, Herbert.
 Clark, C. F.
 Clark, B. S.
 Class, Christian F.
 Coleman, John F.
 Colley, Thomas D.
 Colman, M. A.
 Coltzau, Otto.
 Cunradi, J.
 Conrad, J.
 Couch, Herbert C.
 Cowan, A. S.
 Crossley, John.
 Crawford, Samuel W.

Davis, H. G.
 Denicke, E. A.
 Dale, William M.
 Darrow, J. E.
 Davison, John L. T.
 Delbridge, John B.
 Dell, Jos.
 Dodge, Fred. W.
 Dougherty, William.
 Doolittle, Darwin.
 Doolittle, William H.
 Dreier, Emil.
 Drewitz, A. C.
 Druhl, F. A.
 Duncan, Thomas C.
 Dunham, William F.
 Dunkel, Gustave.
 Dyche, David R.

Edgar, Wm. H.
 Eldred, W. H.
 Emrick, G. M.
 Eakins, Elizabeth M.
 Ebert, A. E.
 Eberlein, Fred.
 Ellich, H.
 Ellefson, B. J. H.
 Elsmer, Charles.
 Engh, E. C.
 Erich, Victor.

Finch, Wm.
 Fisher, W. E.
 Frelsheimer, Geo.
 Feldkamp, Chas.

Field, E. C.
 Freese, C. F.
 Forberich, J. F.

CHICAGO—Continued.

Fawkes, D. W.
 Faber, E. W.
 Feeny, Sister Mary I.
 Fechter, A. E.
 Ferksen, Richard C.
 Findley, Robert.
 Fischer, Edward J.
 Fischer, O. F.
 Felscher, Adolph F.
 Foote, A. Dudley.
 Forsyth, William K.
 Fox, Francis M.
 Frank, August E.
 Fredigke, Charles C.
 Fry, Isaac H.

Gale, Edwin O.
 Gardiner, Charles H.
 Gardner, H. D.
 Garrison, Amos L.
 Gegenheimer, George J.
 Gellatly, Robert S.
 Gifford, Adelbert L.
 Gifford, Melvin B.
 Goetz, Henry.
 Goll, B. H.
 Goodell, J.
 Goodman, Frederick M.
 Grassley, C. W.
 Grenamler, J. T.
 Gross, James E.
 Grotelend, A. H. F.
 Gruman, B.
 Guy, George O.
 Grieb, Frank.
 Gallison, F. E.
 Goetter, F. B.
 Garvin, H. D.
 Gallaway, D. H.
 Grimm, H. Ph.
 Gregory, J. E.
 Godfrey, J. M.

Haanshuus, S. K.
 Haeger, Frederick.
 Hall, George H.
 Halsey, George E.
 Halsey, Tappen.
 Hambright, George M.
 Hans, George A.
 Haudtmann, Frederick.
 Harcourt, William L.
 Hartwig, Charles F.
 Harrington, James J.
 Hasse, Frederick.
 Hautau, Henry.
 Hattermann, Charles F.
 Hutzfeld, Richard H.
 Helland, John.
 Heinemann, P. L. G.
 Heller, Edward H.
 Henkel, F. W. E.
 Henry, Frank A., Jr.
 Henderson, John C.
 Herron, S. P.
 Hesselroth, Lawrence.
 Hetherington, R. H.
 Heuermann, Henry W.
 Heylmann, Charles.
 Hinckley, Henry A.
 Hittler, John.
 Hoge, Julius H.
 Holroyd, Elwyn A.
 Hooper, John H.
 Horn, E. A.
 Hottinger, Anton.
 Hottinger, Otto G.
 Hoyt, Frank A.
 Hubachek, J. H.
 Hubbard, H. H.
 Hunton, Kinsman.
 Huntsman, Alb.
 Houghton, Harry.
 Hendrie, G. F.
 Hoskins, C. B.

CHICAGO—Continued.

Hartwig, O. J.
 Holthoefer, H. J.
 Hess, John C.
 Heller, Ludwig.
 Hall, Wm. E.
 Hutter, Robert.
 Hellstern, Wm.
 Hughes, Wm. J.

Jaekkel, O. W.
 Jones, J. M.
 Jacob, Chas. W.
 Johnson, J. E.
 Jackson, V. R., Jr.
 Jacobson, August.
 Jackson, Sam'l.
 Jacobus, Judson S.
 Jamieson, Thos. N.
 Jauncy, William.
 Jentsch, Richard.
 Johnson, P. C. L.
 Jones, Charles L.
 Josenhaus, R.
 Judson, William H.

Kotzenberg, Chas.
 Klessing, J. C.
 Kuhne, Emil.
 Kirk, N. C.
 Kempff, L.
 Kennedy, C. C.
 Kaun, F. P.
 Kadlec, Lawrence W.
 Karstedt, H. C.
 Kaufman, F.
 Ker, J. Brainerd.
 Kettinger, A.
 King, Edwin H.
 Kirby, E. C.
 Kirchgasser, Wm. C.
 Kirkley, James M.
 Klein, George J.
 Klein, F.
 Klinkowstroem, E.
 Knight, A. P.
 Knox, Richard.
 Kraft, Herman F.
 Kremba, Jeanette.
 Krousheep, W. H.
 Kruell, Frederick J.
 Kreyssler, Charles E.
 Krzeminski, C.
 Kuhlke, H. G.

Lange, I.
 Laux, Carl, Jr.
 Le Brett, E. W.
 Lee, John P.
 Leenheer, Bastian.
 Lensmann, Frederick A.
 Leutscher, R.
 Lewis, I. Giles.
 Lewis, Henry.
 Liese, Frederick.
 Lion, J. H.
 Lists, Frederick.
 Listenwaller, Emanuel.
 Long, Edw. —
 Lovett, La Motte.
 Lundvall, August.
 Lyon, F. A.
 Lydston, J. A.
 Lyneman, F. A.
 Lundstrom, E. M.
 Lohman, N.
 Lilly, P. A.
 Lynch, John.
 Langenhan, H.

Maerklin, G.
 Macdonald, Benjamin.
 Manville, Jerome.

CHICAGO—Continued.

Marshall, L. K.
 Martin, Hiram M.
 Martin, G. P.
 Martin, H. W. C.
 Masquelet, Frank.
 Masquelet, Sadie F.
 Matthei, Ernest.
 Matthei, Louis.
 Mathison, Soren.
 Maynard, Henry S.
 Mayer, John A.
 McCormick, Eliza.
 McCormack, I. B.
 McDowell, Victor P.
 McPherson, E. K.
 McPherson, George.
 McPherson, Henry H.
 Medcalf, Hattie G.
 Meinung, Richard.
 Merz, Edward.
 Merz, Frank.
 Merz, Peter.
 Melonie, W. B.
 Millman, Philip L.
 Miller, G. W.
 Miller, George S.
 Mills, George P.
 Moe, Hiram.
 Moe, Mary J.
 Moelmann, E. O.
 Moench, Charles.
 Monroe, W. H.
 Moore, Wm. M.
 Moore, George C.
 Moore, George.
 Morris, W. G.
 Morrison, John.
 Moody, J. C.
 Muehlmann, Paul.
 Muehlberg, E.
 Mueller, H. L. C.
 Mueller, O. G.
 Mueller, H.
 Mullan, Eugene.
 Murray, Nelson W.
 Musselwhite, Arthur.
 Myers, John.
 McConnell, L. W.
 McCormick, C. E.
 Monroe, F. Le B.
 Marash, F.
 Miller, Charles.
 McDougall, W.
 Mitchell, W. S.
 Myers, H. S.
 Majeski, W.
 Murphy, F. R.
 Mason, Wm. T.
 Morse, J. W.
 Moore, W. B.

Natrass, J. C.
 Newhall, Daniel.
 Newell, O. W.
 Newell, Grant.
 Newell Rebecca S.
 Nichols, Edw. H.
 Novak, Frank J.
 Nilsen, G. P.
 Noll, C. F.
 Neads, M. E.

Oberman, R. F.
 Obermann, Adolph.
 Ohlendorf, H. L.
 Otto, Emil.
 Otto, Edward.
 Painter, Dayton.
 Painter, E. J.
 Parsons, John.
 Patterson, Theodore H.
 Pehlgard, A. F.

CHICAGO—Continued.

Peto, H. J.
 Peterson, Alice.
 Pfaunstiel, C. F.
 Pierron, J. J., Jr.
 Pierce, Frank.
 Pilgrim, Henry C.
 Plautz, B. H.
 Pomerane, Marx.
 Porter, Millet N.
 Prince, James.
 Prince, M. M.
 Price, J. A.
 Pyatt, Frank P.
 Perkins, J. S.
 Porter, F. L.
 Parry, H. I.
 Pischczak, John.
 Petterson, J. M. B. M.

Rayner, James B.
 Reche, H. C.
 Reinhold, Wilhelm.
 Reichel, A. E.
 Reinhard, Heinrich.
 Reuter, Henry.
 Rhode, Rudolph E.
 Ripke, Richard G.
 Ritter, John.
 Roberts, Morgan.
 Roemheld, Julius.
 Rogers, Frederick D.
 Roos, B. L., Jr.
 Rosenthal, Joseph.
 Rosenfeldt, Samuel.
 Rosiene, Bernard.
 Rosiene, P. O.
 Rossmassler, A. B.
 Richter, E. F.
 Rogers, S. P.
 Russell, T. J.
 Roos, Theodore.
 Rogers, A. W.
 Ross, Chas. S.
 Rudolphy, S.
 Rowley, Asa B.

Sandmeyer, A. L.
 Sargent, E. H.
 Sheele, A. J.
 Schick, William H.
 Schroeder, Hans N.
 Schroeder, Henry.
 Schmid, T.
 Schmidt, Frederick.
 Schmidt, Herman.
 Schmidt, Henry.
 Schiffbauer, Robert.
 Schneider, Frank B.
 Schrage, Frank.
 Schaar, Charles L.
 Schaar, Johann G.
 Scherer, Andrew.
 Schmeling, Max.
 Schultz, Albert W.
 Schreiber, Lauritz.
 Shapper, F. C.
 Schroll, John M.
 Secord, Frank G.
 Schoenkaes, Joseph.
 Schauer, G. G.
 Shafer, E. B.
 Sherman, Henry.
 Shugart, Joseph.
 Shupik, E.
 Sill, Robert T.
 Sollitt, Thos. W.
 Somers, Frank G.
 Sonnichsen, T.
 Smith, Alfred K.
 Smith, Junius J.
 Smith, Mary D.
 Smith, Wm. C.
 Squair, Frank.

CHICAGO—Continued.

Stahl, Edward L.
 Starr, A. C.
 Stamm, Andreas.
 Stange, Christopher.
 Stiles, J. S.
 Stevenson, Robert.
 Stoddard, Albert S.
 Storey, Robert E.
 Strauss, Emil.
 Sieverman, B.
 Spaeth, Gus. C.
 Stangoehr, R.
 Schouler, F. A.
 Schroeder, E. A.
 Summey, John.
 Sullivan, T. F.
 Steffens, O. H.
 Starr, Geo. F.
 Seville, A. S.
 Strehl, Loula.
 Stringfield, F. M.
 Shean, J. R.
 Small, J. M.
 Schober, Marian.
 Stuart, M. R.
 Stallings, John.
 Strick, S. M.
 Stubbeman, W. H.
 Sturges, Charles S.
 Studness, Otto.
 Sutcliffe, C.
 Sulzberger, T. L.
 Sweet, Henry.
 Sweet, Henry, Jr.

Taylor, Charles S.
 Taylor, Fred.
 Teefer, Wm. A.
 Templar, Edward.
 Terhune, B. F.
 Teubner, Charles.
 Thayer, Fred A.
 Thiele, Emil.
 Thompson, James.
 Thompson, Thomas C.
 Thomas, J. Bradford.
 Thornhill, George.
 Trimmen, John W.
 Trienens, Joseph.
 Trowbridge, C. H.
 True, Charles J.
 Truman, Alex. S.
 Tucker, Geo. W.
 Turnquist, Alex.
 Tuthill, Robert.
 Tobler, C. J.
 Thorn, W. H.

Uber, Ad. G.
 Uhlendorf, Rodo.
 Umsted, George.

VanBuren, Barent.
 Vanderburg, Abram C.
 VanSchaack, C. P.
 Vaupell, Geo. H.
 Vernon, C. W.
 Vogeler, Adolph G.
 Von Herman, E.
 Vilas, W. N.
 Vavra, V.
 Vanderpoel, C.

Waldron, Louis K.
 Waldschmidt, Charles.
 Walther, Jacob, Jr.
 Waltersdorf, Louis.
 Waxham, Charles.
 Wehrli, Albert C.
 Wescott, Austin B.
 Wessman, Axel J.
 Weinberger, Charles M.
 Wernicke, Oscar G.
 Werneberg, Wm.

CHICAGO—Continued.

Werkmeister, Martin.
 White, George H.
 Whiteford, James C.
 Whitfield, George W.
 Whitfield, Thomas.
 Wikoff, L. E.
 Wiese, John.
 Wiese, C. H.
 Wilson, Benjamin D. F.
 Wilson, Cleon B.
 Wilson, Julius H.
 Wilson, Wm. R.
 Williams, F. M.
 Winholt, B. C. B.
 Winholt, George.
 Winholt, Theo.
 Wissing, Maite F.
 Woltman, Henry.
 Woods, A. A.
 Wuensche, Charles.
 Wyckoff, W. W.
 Weston, George.
 Willscroft, G. W.
 Woltersdorf, E. H.
 Weldel, Ernst.
 Weiss, F. G.
 Waugh, Thos.

Yapp, F. H.
 Youngblood, Robert N.
 Yungk, Louis.

Zahn, Emil A.
 Zindler, Paul.
 Zesch, O. M.

CHILLICOTHE.

Caldwell, Henry F.
 Mead, Wm. M.

CHRISMAN.

Camerer, Daniel M.
 Musselman, Winfield.
 Steele, Charles A.
 Camerer, G. V.

CHRISTOPHER.

Harrison, F. O.

CISCO.

Pease, L. T.

CISNE.

Billington, James P.

CICERO.

Austin, S. W.

CLAREMONT.

Fritchey, A. W.

CLARENCE.

Frederick, David A.
 Lamberton, Frank B.

CLARKSVILLE.

Wealand, George R.

CLAY CITY.

Cutler, John W.
 Doherty, Tony S.

CLAYTON.

Davis, David A.
 Davis, Joseph W.
 Montgomery, George W.
 Watson, Marcus H.

CLEAR CREEK.

McRaven, P. H.

CLEMENT.

Baker, Charles E.

CLINTON.

Corder, C. W.
 DeLevis, Mahlon M.
 Day, E. I.
 McLean, J. O.
 Monlux, Samuel.
 Myers, J. C.
 Wheeler, Wilbur H.

COAL CITY.

Abell, E. J.
 Keay, Wm. L.

COAL VALLEY.

Martin, Thomas.

COATSBURG.

Ticken, J. D.

COBDEN.

Brown, W.
 Clark, Edward S.

CORTLAND.

Martin, Henry.

COLCHESTER.

Hendel, R. W.
 Thompson, G. M.
 Wackerle, C. J.

COLEHOUB.

Busing, Hugo L.

COLETA.

Cobb, Sumner S.

COLFAX.

Becker, V. J.
 Wilson, Isaac A.

COLLINSVILLE.

Atwell, F. C.
 Grosze, H. G.
 Ochsner, Charles P.
 Wadsworth, James F.
 Wadsworth, J. L. R.

COLONA.

Reese, Thomas W.

COLUMBIA.

Rose, Wm.
 Seyffardt, Louis E.

COMPTON.

Compton, Andrew.
 Compton, Joel.

CORDOVA.

Freek, Wm. R.
 Meyers, Howard.

CORNELL.

Norton, Eben.
 Syphers, J. M.

COULTERVILLE.

East, Solomon M.
 Edgar, Robert S.
 Milligan, J.

COWDEN.

McDermith, S. F.
 Shelton, T. D.

CRAB ORCHARD.

Bones, Thomas.

CREAL SPRINGS.

Graham, J. J.
Rodman, W. R.
Whitnel, J. L.

CRESCENT.

Fidler, R. E.

CUMMINGS.

Beall, G. H.

CURBAN.

Foster, Wm. A.

COOKSVILLE.

Ballard, H. F.
Willhoite W. F.

CLIFTON.

Earle, C. A.

COFFEEN.

Coffeen, F. H.

CRESTON.

Dunn, Martin.
Robbins, H. C.
Wilkinson, A. D.

CRETE.

Brauns, Gustavus.
Westgate, Wm. R.

CROPSBY.

Loar, George F.
Loar, David W.

CROSSVILLE.

Davenport, Aaron.
Davenport Simon.
Smith, Wm. O.

CRYSTAL LAKE.

Lowell, L. D.

CUBA.

Harris, DeWitt S.
Harrison, John.
Laws, James M.
Welch, James K.

CULLOM.

Kay, Samuel L.

CUTLER.

Brown, David.
Feaman Phillip.

DANA.

Prichett, Robert M.

DANFORTH.

Olms, Albert S.

DANVERS.

Musselman, John.

DANVILLE.

Bandy, John W.
Baum, W. F.
Bellan, J. H.
Brown, M. S.
Felmley, J. S.
Esslinger, Arthur.
Frantz, Jacob S.
Genung, Z. R.

DANVILLE—Continued.

McFadden, H.
Nungesser, J. H.
Irwin, Flavius G.
Oakland, Samuel H.
Smith, E. G.
Taylor, Roy.
Winslow, Edwin C.
Woodbury, Wm. W. R.

DAHLGREN.

Burton, James M.
Karns, Wm. D.

DAKOTAH.

Askey, Wm.
McCalla, Isaac.

DALLAS CITY.

Black, B. F.
Harris, M. G.
Horn, John C.
Landaker, N. O. B.

DAVIS.

Breithaupt, Jacob B.

DECATUR.

Armstrong, Wm. C.
Armstrong, E. W.
Brown, E. J.
Cole, Hiram B.
Hubbard, Wm. E.
Hubbard, John T.
Irwin, S. M.
Hubbard, W. H.
Putnam, E. C.
Freest, George E.
Shilling, Charles F.
Smith, Henry.
Stoner, Andrew J.
Swearingen, John A.
Swearingen, W. W.

DEKALB.

Lewis, John H.
Reed, John.
Shurtleff, Calvin.

DELAND.

Vail, John.

DELEVAN.

Lawton, L. W.

DENNISON.

Volkers, Lewis.

DESDOTO.

Beasley, C.
Bandy, John W.
Davis, Green B.
Redd, L. H.
Swofford, T. F.
Williams, John M.

DETROIT.

Williams, H. D.

DEWEY.

Lorenz, Ernst.

DEWITT.

Bosserman, Joseph R.
Cain, Charles N.
Robbins, M. M.

DISCO.

Kice, C. S.

DIX.

Bradford, Wm. E.
Bruce, A.
Picket, W. O.

- DIXON.**
Eberhart, F. S.
Higgins, B. B.
Roe, E. R.
Tillson, Alonzo H.
Wagner, R.
- DIONA.**
McMorris, Samuel L.
- DOLTON STATION.**
Lund, Adolph W.
- DONGOLA.**
Bruce, Luther.
Dillow, Jasper A.
- DONOVAN.**
Browne, L. D.
- DOWNER'S GROVE.**
Meadowcroft, Charles J.
- DOWNS.**
Montgomery, James.
Wilson, M. C.
- DUBOIS.**
Foster, John T.
- DUDLEY.**
Gilbert, George A.
- DUNDEE.**
Bauman, H. J.
Cleveland, E. F.
Oatman, Edward J.
Oatman, George F.
- DUNLAP.**
Gillett, Almira E.
Gillett, John.
- DURAND.**
Starr, Caleb A.
- DWIGHT.**
Baker, Charles M.
Barr, C. H.
Oughton, John R.
Seymour, George A.
- DUQUOIN.**
Barrett, J. D.
Brookings, A. C.
French, G. G.
Lehn, R. O.
White, James B.
- DENVER.**
Browning, C. C.
- DALTON.**
Hilligoss, E. P.
- DOZAVILLE.**
Cecil, D. F.
- EARLVILLE.**
Cope, Garnett A.
Pool, James J.
- EAST CARONDELET.**
Sherman, Victor.
- EAST DUBUQUE.**
Hall, B. F.
- EAST LYNN.**
McConnell, Isaac W.
- EAST ST. LOUIS.**
Bader, Henry F.
Fischer, H.
Estaman, J. W. M.
Konf, J. B.
Melveny, C. O.
Renois, W. H.
Rotenhagen, A. G.
Mootz, Alb.
Winton, O. B.
Knoebel, Thomas.
Kring, A. O.
Mootz, Alb.
Mootz, Herman.
Muelheims, C. M.
Tubbesing, H. G.
- EASTON.**
Town, J. S.
- EDGEWOOD.**
Hall, Joseph.
Scott, J. R.
- EDINBURG.**
Brownback, C. J. M.
Harrington, G. P.
Powers, Erasmus D.
- EDWARDSVILLE.**
Bickelhaupt, Henry.
Haruist, Wm. D.
- EFFINGHAM.**
Jones, John.
Pape, Wm. T.
- ELCO.**
Putnam, Hiram F.
Standard, James R. F.
- EL DABA.**
Bacon, Wm. F.
- ELDORADO.**
Mathis, John W.
Williams, W. A.
Young, Virgil W.
- ELGIN.**
Andrews, J. M.
Fletcher, Alb. L.
Hart, Wm.
Richmann, A. F. W.
Richmann, C. L.
Springer, Theo.
Weld, Russell.
Weld, Salem E.
Claussius, Max.
Stone, Chas. A.
Tapper, J. G.
- ELIZA.**
Bishop, Isalah.
- ELIZABETH.**
Beebe, Elizur W.
Hutton, Wm.
Phelps, O. W.
- ELIZABETHTOWN.**
Martin, Wm. R.
Warford, J. D.
- ELKHART.**
Taylor, Zach. T.
- ELLIOTT.**
Richmond, Joseph.
Wilson, John.

ELLIS GREEN.

Lilly, H. D.

ELLISVILLE.Hogsett, Wm. M.
Weaver, Henry D.**ELLSWORTZ.**

Shinkle, Cassius F.

ELMORE.

Cole, John.

ELMWOOD.Jay, Palmer C.
Sloan, Wm. T.
Tompkins, John B.
Cooper, J. F.
Smith, H. C.**EL PASO.**Dunn, David
Strathman, Charles A.**ELSAH.**

Mott, Benjamin L.

ELVASTON.Garard, John H.
Garard, Minor C.**ELWOOD.**Keith, Wm. F.
Bidge, Wm.**EMDEN.**

Smelz, John C.

EMMINGTON.

Lehman, Leopold.

ENFIELD.Campbell, John P.
Weish, William W.
Weish, Arthur E.
Latham, S. C.**ENGLEWOOD.**De Wolf, James E.
Hogan, L. C.
Cozine, J. R.
Hsagen, F. J.**EQUALITY.**Greer, John S.
McCaleb, Edward H.**ERIE.**Burridge, E. H.
Burridge, Francis E.
Cunningham, Joseph M.**ESSEX.**Allison, J. W.
Walworth, Chancellor R.**EUREKA.**Chamberlain, Joseph H.
Finley, James W.
Richards, Leslie C.
Richards, Otho F.**EVANSTON.**Burrkett, C. H.
Bradley, Wm.
Smith, L. S.**EDDYVILLE.**

Hart, S. F.

EDGINGTON.Boughton, W. T.
Smith, O. J.
Garwood, William C.
Williams, Newton P.**EWING.**Kelley, Crassus O.
Webb, John C.
Webb, Lewis M.**EXETER.**Laws, Stephen.
Mason, Henry E.
Morris, James T.**FAIRBURY.**De Wolf, John S.
Ramsey, Hill J.
Wade, Philip.
Zimmerman, John.**FAIRFIELD.**Keen, I. N.
Lasley, William M.
Porterfield, Melvin W.
Roberts, Nathan E.**FAIRMOUNT.**Bradway, O. F.
Holladay, Elias.**FAIRVIEW.**Bourner, E. D.
Buydam, James N.
Voorhees, Abram.**FAIRWEATHER.**

Sparks, W. L.

FARINA.Greenman, James F.
Maxon, Charles.
Titworth, B. F.**FARMER CITY.**Garver, Christian.
Garver, Samuel B.
Maxwell, George L.**FARMINGTON.**Gove, D. A.
Heaton, Morgan.
Scudder, Irenus T.**FAYETTE.**Miller, John G.
Wright, C. H.**FIELDING.**

King, Lorenzo W.

FENTON CENTRE.

Allen, Mortimer D.

FERRIS.

Holt, Kendall S.
Yater, William.

FIELDON.

Park, Wesley.

FISHER.

Lateer, W. J.

FITHIAN.

Elder, Brice H.
Post, George H.

FLAT ROCK.

Bristow, N. B.
Duncan, Andrew W.

FLANAGAN.

Hand, F. S.
Murphy, J. A.

FLORA.

Michels, Louis A.
Southwick, Isaac H.
Wilson, Thomas A.

FOOSLAND.

Harris, H. L.
Pollock, Robert M.

FOREST.

Duckett, Daniel.
McCoy, C. W.

FOREST CITY.

Maring, Elmore S.

FORRESTON.

Covell, John D.
Haller, Charles M.
Schultz, R. C.

FOUNTAIN GREEN.

Law, R. I.

FOWLER.

Stahl, Hanby.

FRANKFORT STATION.

Barker, Howard S.
Rotramel, Elijah M.
Rotramel, R. H.

FRANKIN GROVE.

Lipe, George W.
Robinson, Wm. C.

FREEBURG.

Kring, Charles.
Woods, Alex.

FREEPORT.

Burrell, John.
Emmert, Joseph.
Froning, Philipp.
Hoebel, Philip H.
Jungkunz, W. F.
Moock, Herman J.
Rehbock, Herman J.
Sikkema, H. N.
Swartz, George F.
Swartz, J. E.
Weise, Fred.

FILMCRE.

Hendrix, John T.

FISH HOOK.

Patrick, C. W.

FRIENDSVILLE.

Kingsbury, G. C.
Leeds, J. A.

FULTON CITY.

Ward, James F.
Ward, James N.
Williams, Leslie.

GALENA.

Crawford, Stewart.
Kittoe, Wm. K.
Seniger, Wm.
Hoffman, John P.
McNeill, Thomas.
Wells, J. E.

GALESBURG.

Anderson, Bernhard.
Clark, Alb. B., Jr.
Devendorf, Almond S.
Greenleaf, D.
Halsey, Clinton S.
Kemper, John.
Kenfield, Sarah F.
Lescher, George C.
Moore, N. R.
Owen, Clarence.
Peterson, C. A.
Rigg, Anthony C.
Teeter, C. W.
Wiswell, Wyrum.

GALATIA.

Wheeler, Ezra W.

GALVA.

Clark, Chester M.
Dickenson, Charles V.
Ekstrom, John R.
Norling, P. O.
Norling, J. E.

GARDEN PRAIRIE.

Markley, A. J.

GARDNER.

Goold, H. C.
McMann, William W.

GARFIELD.

Winter, John J.

GAYS.

Vincent, E. G.

GENESEO.

Clouse, George N.
Graves, Calvin S.
Moderwell, John B.
Ott, Aaron H.
Stamm, D. M.

GENEVA.

Bargh, E. C.
Eddowes, John K.
Strader, John C.

GENCA.

Van Alstine, Augustus.
Slater, H. H.

GEORGETOWN.

Cowan, Robert W.
Cowan, Wm. C.

GERMANTOWN.

Gissy, Charles J.

GIBSON CITY.

Baughman, S. S.
Fisk, A. C.
Hughes, James O.
Ragsdale, J. T.
Wagner, Peter.

GIFFORD.

Morse, James M.

GILLESPIE.

Crawford, James B.
Hutchinson, Charles W.

GILMAN.

Miller, D. W.
Moore, Sarah S.
West, Samuel B.

GILSON.

Linn, H. I.

GIRARD.

Armstrong, Christopher C.
Clark, Benjamin F.
Jones, H. T.

GLADSTONE.

Tolman, James C.

GLASFORD.

Fahnestock, Allen L.

GLASGOW.

McEvers, Byron.

GOLCONDA.

Benham, Julius H.
Boicourt, John M.
Boicourt, William H.
Young, John B.

GOLDEN.

Cain, Laban.

GOOD HOPE.

Wallin, Isaac S.

GOSSETT.

Lowe, William H.

GRAFTON.

Lund, Mary E.
Tidball, E. M.
Tidball, J.

GRAND CROSSING.

Lawton, Joseph.
Robinson, Henry C.

GRAND RIDGE.

Dearth, E. A.
Heister, A. C.

GRAND TOWER.

Gardner, C. D.
Lott, Edw. L.

GRAND VIEW.

Tate, James M., Jr.
Wilson, Henry C.
Zimmerly, A. D.

GRANT PARK.

Sines, E. W.

GRANVILLE.

Shepard, Levi L.

GRAYMONT.

Allen, Joel.

GRESHAM.

Hicks, Wm. D.

GIFFORD.

Stevenson, Wm. F.

GRAYVILLE.

Boord, F. M. J.
Hall, Charles R.
Haynie, Harry A.

GREENFIELD.

Cooper, John M.
Finch, Thomas.
Gray, J. Howard.
Gray, N.
Mook, Philip G.
Saylor, William A.

GREENUP.

Day, John W.
James, G. N.
Underwood, Delano C.

GREEN VALLEY.

Bradfield, Samuel.
Stevens, I. S.

GREENVIEW.

Dockum, Hosea.
Reed, C. C.
Stone, J. H.

GREENVILLE.

Bennett, Charles R.
Oudyn, M. S.
Seaman, George W.
Watson, Charles W.

GRIDLEY.

Frank, G. A.
Hoover, D. L.
Taylor, J. A.

GRIGGSVILLE.

Ferguson, John H.
Kempton, Charles H.
Parker, T. W.
Shoemaker, Thomas.
Wilson, George H.

- HALF-DAY.**
Armstrong, C. J.
- HAMMOND.**
Noe, Oscar D.
- HAMPSHIRE.**
Reid, Charles P.
- HAMPTON.**
Vincent, George.
- HANOVER.**
Killough, Thomas.
Love, Joseph G.
- HARDIN.**
Barry, P. C.
Temple, John T.
- HARMON.**
Swan, John T.
- HARRISBURG.**
Ehlman, Fred. W.
Hallock, William P.
Hammore, James B.
Rose, J. H.
- HARTSBURG.**
Barnett, J. R.
Hamer, Frederick.
Hamer, Peter.
- HARVARD.**
Groesbeck, John W.
Richardson, Samuel.
Wilkinson, C. M.
- HARVEL.**
Cox, F. M.
Ramsey, George J.
- HAVANA.**
Allen, W. H.
Covington, Marcellus C.
Doering, Charles.
Ross, Lewis W.
- HAZEL DELL.**
Cochrane, C. G.
Quinn, Powhattan B.
Young, Wallace.
- HENNEPIN.**
McCormick, George A.
Noxon, Andrew C.
Seaton, James H.
- HENRY.**
Powell, Fred. A.
Powell, John E.
Nay, A.
Niece, John W.
Zimmerman, A.
- HERSCHER.**
Caldwell, Martin.
Stowits, Edwin T.
- HEYWORTH.**
Hill, Fred. H.
Wakefield, Porter T.
- HIGHLAND.**
Knoebel, E.
Mueller, A. J. G.
- HIGHLAND PARK.**
Cummings, George B.
- HILLSBOROUGH.**
Douglass, Edmund.
Douglass, William W.
Edwards, Presley J.
Holderead, John.
Halston, Wilbur B.
Stubblefield, Edwin M.
- HINCKLEY.**
Moore, Lee L.
- HINDSBORO.**
Hearn, William J.
Stacy, Marion F.
- HINSDALE.**
Evernden, William.
- HODGE'S PARK.**
Maxey, William C.
Nowotny, J. I.
- HOMER.**
Mudge, Edw. T.
Smith, Francis M.
Tudor, J. A.
- HOOPESTON.**
Briggs, C. M.
Powell, J. S.
Roof, Thomas J.
McCaughy, T. C.
- HOPEDALE.**
Davis, H.
Hodson, W. F.
- HUDSON.**
Aldrich, J. W.
Cox, Charles E.
- HUMBOLDT.**
Stewart, Hugh L.
- HUME.**
Campbell, Isaac.
Stark, Simeon.
Stark, William H.
- HUNTLEY GROVE.**
Ferris, Theodore B.
- HUNTSVILLE.**
Robinson, Harvey T.
- HUTSONVILLE.**
Cox, Andrew J.
Newton, C. V.
Rackerby, Milton P.
- HORD.**
Blair, J. H.
- HOYLETON.**
Welborn, E. E.
- HAMILTON.**
Jane, M. B.

HYDE PARK.

Bell, John I.
Bennett, John L.
Dow, Goodrich Q.
Rice, Lemuel E.

ILLIOPOLIS.

Cowdin, John P.
King, J. E.

INDIANOLA.

Butler, Samuel F.

INDUSTRY.

Beaver, Orva V.
Hiatt, W. S.
Shannon, G. G.

INGRAHAM.

Craig, J. B.

IOLA.

Gammon, H.
Patrick, Isaac A.

IPAVA.

Hughes, E. B.
Randolph, Charles S.

IROQUOIS.

Brown, George M.
McClain, William H.

IRVING.

Bartlett, Samuel D.
Padget, Thomas H.
Parkhill, W. V.
Sprinkle, John R. R.
Sprinkle, Welcome B.
Winn, Marshall.

IUKA.

Beaver, Benjamin.
Daniels, George E.
Irwin, Harry L.
Irwin, J. A.
Irwin, Thomas L.

ISABEL.

Bolen, Lewis W.

IVESDALE.

Morris, Morgan H.

JACKSONVILLE.

Alexander, C. W.
Allcott, W. A.
Carter, John.
Grimes, James L.
Grimes, Will L.
Hatch, H. Lee.
Hockenhull, Robert.
Kuechler, Robert A.
Mendousa, Joseph R.
Rockwell, William.
Selfert, G. E.
Waggoner, D. M.
Welch, Thomas V.
Wing, E. D.
Young, John W.

JANESVILLE.

Wilson, O. L.

JEFFERSON.

Fonda, David B.
Lowell, Luzerne D.

JEFFERSONVILLE.

Tracey, Joshua M.

JERSEYVILLE.

Remer, T. F.
Smith, G. R.
Ware, George W.

JEWETT.

Tossey, Flavius.

JOHNSONVILLE.

Johnson, William M.

JOLIET.

Brewer, P. C.
Bray, Edw. M.
Brown, James D.
Brown, Jonathan H.
Golliday, F. P.
Holzhauer, Wm. C.
Keyes, John.
Killheffer, J. F.
Limacher, Joseph.
Mount, J. B.
Woerndle, Francis.
Woodruff, George H.

JOPPA.

Harkins, Clarence.

JONESBORO.

Grear, Harry.
Watkins, Thomas J.
Willard, S.

JOY.

Derr, N. H.

KANE.

Enslow, John B.
Reinecke, William C.

KANKAKEE.

Babel, George
Burt, J. C.
Bonfield, Wesley.
Schubert, John J.
Sherman, William L.
Stamm, J. M.

KANSAS.

Hanks, James.
Hogue, James F.
Kester, William L.
Shaver, Martin L., Sr.
McGrew, Jasper H.

KARBER'S RIDGE.

Paris, W. J. J.

KASKASKIA.

Belter, J. O.
Belter, Donatus.
Relley, Henry.
Wheeler, C. M.

KEENSBURG.

Bristow, N.
Manley, Alfred P.
Manley, Paul G.
McClure, George E.

KEMPTON.

Bell, R. F.
Dalley, H. M.

KENNEY.

Robbins, Frank K.

KENSINGTON.

Crane, A. G.
Holcomb, T. A. E.

KEWANEE.

Anthony, G. A.
Beck, Charles.
Blair, Samuel, Jr.
Brown, George O.
Elli, John.
Smiley, James C.

KEITHSBURG.

Hadley, W.
Kelley, Samuel.
Kelley, Wilber.
Marshall, Thomas A.
Marshall, E. L.
Phares, William H.
Willits, A. P.

KEYESPORT.

Hord, G. Y.

KICKAPOO.

Young, Henry C.

KILBOURNE.

Ruggles, Henry.

KINDERHOOK.

Andrews, D. C.
Gaines, Selah B.

KINGSTON.

Clark, Aaron H.

KINMUNDY.

Green, H. F.
Hallister, Lorenzo L.

KIRKLAND.

Blagden, A.
Kirk, E. A.

KIRKWOOD.

Abbey, Horatio.
Foster, Samuel C.
Gilliland, Samuel.
Howard, Lyman.
Stark, William.

KNOXVILLE.

Brewer, Johnston S.
Paul, J. M.
Semple, John W.

LACON.

Buchanan, E. L.
Brotherhood, Lucien.
Gale, F. C.
Thomas, R. H.

LA FAYETTE.

Sprague, Loyal T.

LA GRANGE.

Fox, George M.

LA HARPE.

Kirkpatrick, Robert B.
Perrin, William.

LAKE.

Barnes, John
Blain, A. J.
Masquelet, A. J.
Schneider, Augustus.
Scott, William H.

LAKE CREEK.

Bidwell, Charles M.
Darrow, Eli L.

LAKE FOREST.

King, A. W.

LAKEWOOD.

McLaughlin, Daniel M.

LAKE VIEW.

Camp, J. O.
Sanger, M. L.
Wells, C. S.
Wrixon, Thomas W.
Wevil, G. E.

LAMOILLE.

Reed, Edward A.

LANARK.

Allemong, I. H.
Porter, Flacidus P.
Puterbaugh, Henry S.
Shumway, Alvaro.

LANCASTER.

Corrie, Alb.

LA PLACE.

Wallace, S. S.

LA PRAIRIE.

Schwartz, Charles R.

LA ROSE.

Sherwood, Leighton I.
Steubing, Louis.

LA SALLE.

Corbus, William F.
Greenwood, Alf. R.
Hummer, William B.
Malone, J. E.
Strack, Carl.

LATHAM.

Holbrook, Charles A.
Wheeler, E. N.

LAUR.

Robinson, J. A.
Robinson, J. W.

LAWRENCEVILLE.

Judy, C. F.
Robinson, E. H.
Schmalhausen, Ewd.

LEBANON.

Entrekin, P. J.
Gubler, F. J.
Fehring, Caspar.
Pesold, Carl.

LEE.

Kittell, E. H.
York, H. A.

LEE CENTRE.

Blake, John W. D.

LELAND.Hagist, Otto.
Kennedy, Wm.**LEMONT.**Bodenschatz, John G.
Von Bernauer, J.
Warner, Matthew.**LENA.**Houser, Christopher F.
Metz, John.
Richardson, H. W.
Waite, Charles.**LENSBURG.**

Volkening, Herman.

LE ROY.Buckworth, William.
Vandeventer, Stephen.**LEWISTOWN.**Hasson, Henry C.
Randall, Robert A.
Standard, Perry J.
Thompkins, C. B.
Wallace, James M.**LEXINGTON.**Flesher, L. G.
Grier, R. S.
Packard, J. D.**LIBERTY.**Frey, Tilman X.
Mercer, George D.**LIBERTYVILLE.**Bond, Clinton W.
Kimball, Francis Z.**LIMA.**

Clark, Joseph.

LEAF RIVER.

Masters, G. P.

LINCOLN.Cull, James F.
Ehrlick, Herman K.
Evans, Stephen.
Newkirk, Tunis.
Pierron, Ferdinand B.**LISBON.**Kemple, Abel.
Leverich, F. A.
Liscom, Mylon H.
Moore, James F.
Moore, John, Sr.
Moore, John, Jr.
Willard, James M.**LITCHFIELD.**Crouch, F. W.
Hood, Herbert S.
Hood, Joseph L.
Milnor, Frank R.**LITTLETON.**

De Witt, James L.

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LOAMI.Houk, R. M.
Van Deren, T. N.**LOCKPORT.**Knowles, Frank J.
Moon, O. W.
Walsh, H. H.**LODA.**

Morgan, David N.

LONDON MILLS.

Corking, DeWitt.

LONG POINT.

Markle, Jasper N.

LOSTANT.Atwood, E. B.
Schoeneshoeser, Robert.**LORAIN.**

Akina, James S.

LOUISVILLE.McNown, H. A.
McNown, William A.
Winans, Wilson C.**LOVINGTON.**Hostetler, C. M. L.
Hostetler, F. L.
Pifer, Pompey.
Trowbridge, J. D.**LOWDER.**

Cole, George E.

LUDLOW.

Hitz, Frank A.

LYNNVILLE.

Kellem, John W.

MCDOWELL.

Phillips, Ransom B.

MC HENRY.Besley, George W.
Colby, Henry.**MCLEAN.**Dillman, A. B.
Fisk, A. C.
Wagner, John.**MCLEANSBORO.**Benson, John G.
Browning, Jas.
Longworth, Samuel H.
Seevers, Azariah W.
Shoemaker, James M.**MACEDONIA.**Hunt, J. T.
Sims, Martin M.**MACKINAW.**Hittle, L. T.
Sparks, Richard.

MACOMB.

Delaney, Patrick H.
 Ervin, James M.
 Ervin, William.
 Hays, J. F.
 Keefer, John M.
 Kyle, Frank R.
 Lane, C. L.
 Lane, E. A.
 Nunn, G. I.
 Rost, L. N.
 Stinson, William J.

MACON.

Draper, Oliver H.
 Drinkall, Thomas C.

MAGNOLIA.

Fyffe, Harriet A.

MAHOMET.

Bartholow, E. C.
 Carson, J. A.
 Gardiner, J. H.
 Harland, W. O.

MAKANDA.

Hartman, Jacob S.
 Hill, Enoch E.

MALDEN.

Hopkins, Leroy S.

MALTA.

Badgley, John
 Ruby, Baxter W.
 Willis, J. R.

MANCHESTER.

Springfield, T. J.
 Smith, M. H.

MANITO.

Leslie, Wm. H.

MANSFIELD.

Bartholow, J. H.
 Carberry, D. E.

MANHATTAN.

Brannon, L.

MANTENO.

Johnson, H. B.

MAPLE PARK.

Brown, Thomas J.
 Smiley, Charles E.

MAPLEWOOD.

Smith, E. S.

MAQUON.

Bland, Barzillai M.
 Bland, Wm. B.
 Pickrel, Jesse, Jr.

MARENGO.

Patrick, Frank W.
 Stewart, Wm. C.
 Wood, A. C.

MARINE.

Parker, Porter G.
 Richardson, Louis A.

MARION.

Benson, Julia A.
 Cline, John M.
 Evans, Geo. W.
 Mitchell, James C.
 Washburn, Wm. S.

MARISSA.

Lyons, Wm. McKee.

MAROA.

Austin, Wm. H.
 Axton, Henry A.
 Axton, Wm. S.
 Gault, John M.
 Smetz, John.

MARSEILLES.

Egbert, R. S.
 Neff, Frank T.
 Parsons, John C.
 Trowbridge, Irving H.

MARSHALL.

Bland, Preston L.
 James, Milo.
 Korn, Simon L.
 Purdunn, C. A.

MARTINTON.

Metz, M. S.

MARTINSVILLE.

Fasig, Samuel A.
 Gamble, John.
 Shinkle, F. L.

MASCOUATAH.

Dauber, Louis.
 Heinrich, George.
 Nussbaumer, J. J.

MASON.

Hutchinson, John P.
 Wade, George.

MASON CITY.

Bradley, Allen.
 Day, David S.
 Fleming, G. W.
 Hopkins, John H.
 Warnock, William, Jr.

MATTOON.

Coppage, Wm. R.
 Easterday, J. S.
 Kilner, George T.
 Kilner, W. L.
 Kliner, Joseph A.
 Moore, L. C.
 McFall, H. M.
 McFall, David
 McFall, James A.
 Oblinger, Daniel H.
 Stevens, Abednego.
 Vierkoetter, C.
 Weaver, Thomas R.
 Wilson, O. L.

MECHANICSBURG.

Bird, John M.
 Gore, W. R.

MEDORA.

Loomis, Thaddeus A.
 Loper, Thaddeus L.

MELVIN.

Perry, Eugene B.

MENDON.

Brown, L. F.
Coffield, James.
Ely, Jared.
Wiedemann, Joseph A.

MENDOTA.

Dennison, George S. N.
Draper, N. A.
Haas, M. A. F.
Hastings, Samuel.
Schuetz, George C.

MEREDOSIA.

Thompson, P. C.
Paley, Julius.

METAMORA.

Walden, Theron D.
Wikoff, Isaac.

METCALF.

Tennery, T. J.

METROPOLIS CITY.

Conner, Charles W.
Conner, John Q.
Gowan, James E.
Leek, Robert H.
Walsh, James.
Willis, John T.

MIDDLETOWN.

Reed, Thomas M.

MIDLAND CITY.

McClelland, W. E.

MILAN.

Franning, H. L.
Laffin, R. W.
Rathburn, Isaac H.
Smith, Charles E.

MILFORD.

Dawson, Clarence H.
Wilbur, Mortimer D.

MILBROOK.

Castello, M. A.

MILLBORN.

Leonard, Homer O.
Taylor, D. B.

MILL CREEK.

Brown, Hiram.

MILLEDGEVILLE.

Lawton, Joseph.

MILLINGTON.

Foster, Samuel E.

MILLSTADT.

Berkbile, J. K.
Eimer, Geo. J.

MILTON.

Barber, Joel H.
Brown, Wm. M.
Doss, E. P.

MINIER.

Ewing, B. N.
Hubbard, H. C.
Jones, J. F.
Shelby, J. T.

MINONK.

Cushing, George W.
Cushinz, Melvin A.
Weber, George W.
Zinser, S. L.

MINOOKA.

Watson, J. S.

MOAWEAQUA.

Kelsaer, George M.
McHenry, B. H.
Patton, Robert A.

MODESTO.

Nevins, Alexander.

MOCCASIN.

Condo, Joseph P.

MOKENA.

Blenssen, William.

MOLINE.

Bryant, O. S.
Carter, H. W.
Clendenin, William.
Cram, Wm. F.
Flexer, A. W.
Hadden, E. W.
Helmbeck, Emil.
Kinney, C. B.
Lindvall, Gus.
Lunell, K. Theodore.
Parker, George W.
Piper, Charles E.
Richards, Josiah.
Sandstrom, Henry.
Sohrbeck, G. Henry.

MOMENCE.

Culver, Anson A.
Cooke, E. S.

MONEE.

Heins, John A.

MONICA.

Hawver, Wm. P.
Tucker, J. J.

MONMOUTH.

Brewer, John E.
Brewer, Melville.
Dunbar, John C.
Foster, F. S.
Gilbert, Abram V.
Schultz, Crit.
Schultz, W. M.
Smith, Wm. B.
Spriggs, Jas. H.
Spriggs, John S.

MONTICELLO.

Keys, P. B.
Bohn, Jacob.
Holmes, M. M.
Lee, S. M.
Noecker, William.
Rukenbrod, W. L.
Smythe, A. E.
Zorger, J. O.
Zorger, P. W.

MORO.
Montgomery, Wm.

MORRIS.
Brown, John.
Enslee, Chas. L.
Maunder, E.
Parmelee, Wm. H.
Ridgeway, Emanuel.

MORELAND.
Natrass, J. O.

MORRISON.
Green, John S.
Knox, Walter E.
Martin, Aaron H.

MORRISONVILLE.
Martin, Leroy.
Steen, Geo. H.
Steen, Jos. W.
Simmons, A. B.
Thompson, J. B.

MORTON.
Conibear, Wm. H.
Unzicker, D.
Zimmerman, E.

MOUND CITY.
Fricke, Frederick G.
Grace, J. H.

MOUND STATION.
Miller, S. D.

MT. AUBURN.
Davis, Chas. E.
Davis, Dial.
Matthew, John B.

MT. CARMEL.
Biddle, E. D.
Gordon, Robert S.
Hadley, Walter C.
Ridgeway, Wm. C.

MT. CARROLL.
Bitner, C. G.
Duffin, W. D.
Foster, Alb. B.
Green, Alb. M.

MT. ERIE.
Vandaveer, John W.

MT. MORRIS.
Brayton, Arthur W.

MT. OLIVE.
Freiner, M.

MT. PULASKI.
George, Egbert.

MT. STERLING.
Bowers, J. W.
Irwin, Chas. N.
O'Neal, Martin A.
Rickey, C. F.
Rickey, J. C.
Smith, Richard.

MT. VERNON.
Atkinson, J. L.
Bond, Rufus J.
Johnson, Alva C.
Porter, Samuel S.
Shepherd, Edward M.
Vaughn, Mary J.
Watters, O. M.

MT. ZION.
Brownlee, Reuben.

MULBERRY GROVE.
Dare, P. C.

MULKEYTOWN.
Means, Cyrus D.

MUNCIE.
Dickson, Santford S.

MURPHYSBORO.
Hamilton, Jos. M.
Ingram, Wm. T.
Post, Peter M.
Rainbow, J. C., Jr.
Mahoney, Oscar L.

MURRAYVILLE.
Alman, E. E.

NAPERVILLE.
Calkins, C. D.
Daniels, Hamilton C.
Ingalls, G.
Powell, Morris B.
Sonnichsen, M.
Strayer, S. S.

NAPLES.
Marsh, Samuel E.
McClintock, W. A.

NASHVILLE.
Gruggs, William H.
Jones, Etheldred S.
Mason, Joshua M.
Troutt, James J.
Troutt, William L.

NAUVOO.
Aitchison, Robert
Mills, Alva C.

NEBO.
Ray, Charles B.

NEELYVILLE.
Bennie, William.

NEKOMA.
Norling, Andrew D.

NEOGA.
Dougherty, G. F.
McCartney, Francis M.
Richardson, F. M.
Steward, Eliza.
Steward, John W.
Wilson, S. F.

NEPONSET.
Avery, Albert V.
Stetson, Jos. M.

NEVADA.

Dow, Benjamin B.

NEWARK.Harding, A.
Thunemann, Carl F.
Thunemann, H. K.**NEW ATHENS.**Dose, Henry.
Schenck, Louis.**NEW BEDFORD.**

Martin, J. L.

NEW BERLIN.

McGinnis, D. L.

NEW BOSTON.Alyea, T.
Lytle, George.**NEW BREMEN.**

Vogt, Henry.

NEW BURNSIDE.Blanchard, J. F.
Ford, J. F.
Ferrell, James M.
Keltner, J. M.
Mizell, Wm. R.**NEW CANTON.**

Atkinson, Henry B.

NEW COLUMBIA.Burnett, John W.
Hartis, James T.**NEW DOUGLAS.**

Lord, John W.

NEW GRAND CHAIN.Bristow, George W.
Fillinsetin, Jacob.**NEW HEBRON.**

Kaley, John.

NEW HOLLAND.

McKenna, S. O.

NEW LENNOX.Knickerbocker, Ward.
Searles, F. W.**NEW LIBERTY.**McCauley, John N.
McCauley, Millard A.
Shearer, John A.**NEWMAN.**Bennett, Almeron C.
Fuller, M.**NEW MEMPHIS.**

Kugler, Major Luther.

NEWPORT.

Taylor, D. B.

NEW SALEM.

Cover, Daniel, Jr.

NEWTON.Andrews, S. C.
Bussard, F. M.
Franke, Peter.
Stevens, Frank A.**NEW WINDSOR.**

Emerson, E. L.

NIAITIC.Rice, John H.
Richardson, Charles B.**NILWOOD.**Berry, R. D.
King, Patrick.**NOBLE.**Hutchinson, Samuel.
Palmer, E. Lee.
Palmer, James F.
Sanderson, H. M.**NOKOMIS.**

Henkel, Charles L.

NORA.

Rockey, Rich. M.

NORMAL.McCann, James.
Mills, Thomas S.
Miller, J. B.**NORRIS CITY.**Langford, J. H.
Lemmon, Robert B.**NORTH ALTON.**

Barth, George F.

NORTH HENDERSON.Blue, George A.
Johnston, M. H.**NORTHVILLE.**

Culmer, John.

NORWAY.

Pearson, Charles.

NUNDA.Dickenson, George E.
Horn, George W.
Smith, Jay.
Smith, Frank.**OAKDALE.**McKean, John S.
Morrison, J. R.**OAKFORD.**Watkins, Samuel L.
Webb, Alex.**OAKLAND.**Crawford, Daniel W.
Gregory, William G.**OAKWOOD.**Dulin, Henry.
Young, John H.

OAK GROVE.
Chapman, Andrew L.
White, D. A.

OAK PARK.
Drewry, E.
Peak, Orin.

OBLONG.
Kibble, Hamilton C.
Muchmore, Theodore N.

OCONEE.
Aughinbaugh, W. H.
Miller, J. H.

ODELL.
Hunter, Edward A.
Kidder, Joel P.
Vaughn, Elbridge M.

ODIN.
Phillips, Samuel D.
Phillips, William H.

O'FALLON.
Krause, Bernard.

OGDEN.
Cox, John S.

OHIO.
Hill, Zelotes S.

OHLMAN.
King, S.

OKAWVILLE.
Muehlheim, Robert.
Poos, B. O.

OLENA.
Randall, Roswell P.

OLMISTEAD.
Crececius, G. W.

OLNEY.
Bower, George W.
Bower, William.
Cool, G. M.
Foskett, Charles F.
Phillips, Jeremiah.
Phillips, Victor E.
Phillips, Fletcher T.

OMAHA.
Edwards, Peter.
Harrell, James C.
Harrell, Jerome L.
Hudgins, C. M.
Rogers, H. L.

ONAGA.
Baldwin, James B.
Baldwin, James L.
Barnum, C. E.

ONEIDA.
Foster, S.
Pratt, James A., Jr.
Pratt, James A.
Wetmore, Theodore A.

OPDYKE.
Phillips, Henry C.

OQUAWKA.
Hudson, Robert.
Spangler, J. S.

ORA.
Wheeler, E. H.

OREANA.
Drury, Geo. W., Jr.

ORANGEVILLE.
Wohlford, Alvin W.

OTTERVILLE.
Williams, John S.

OREGON.
Burchell, Francis S.
Jewett, Thomas A.
Stroh, Rhemus.

ORION.
Barnes, R. E.
Gulick, W. P.
Minor, William W.
Trego, Harrison.

OSKALOOSA.
Laswell, Samuel H.
Laswell, James.

OSWEGO.
Forbes, W. F.
Hall, Levi N.

OTTAWA.
Briggs, James.
Duncan, William D.
Forbes, Charles M.
Gehring, Gotthardt.
Kneussel, Maximilian.
Lorriaux, David.
Mason, T. M. (South Ottawa).

OWANECO.
Cussius, James S. C.

PALATINE.
Richardson, F. P.
Robinson, Frank G.

PALEMO.
Tilton, Enoch B.

PALESTINE.
Malone, Alfred.
Overholser, John.
Vane, Norton.

PALMER.
Spooner, Paul B.

PALMYRA.
Bramley, Robert.
Smith, Alexander.

PANA.
Butts, Gabriel C.
Coyner, Robert C.
Gossmann, F. A.
Gossmann, Otto.
Higgins, L. D.
Higgins, W. J.
Nichols, Philip M.
Wittman, G. A.

PAPINKAU.

Lottinville, Charles F.

PARIS.

Adelsberger, J. B.
 Chestnut, Charles O.
 Ferris, Edmond.
 Low, V. A.
 Payne, V. A.
 Yergin, Frank P.

PARKERSBURG.

Mullins, H., Sr.

PARKINSON'S LANDING.

Butler, Jacob.

PARK RIDGE.

Fricke, G. H.

PATOKA.

Altom, Jesse.
 Beach, E. M.
 Lewis, James B.
 Livesay, T. N.

PATTERSON.

Gurley, F. M.

PAWNEE.

Drennan, D. A.

PAW PAW.

Brockway, P. S.
 Pierce, Philip S.
 Pratt, W. A.

PAXTON.

Cooper, Samuel D.
 Hausom, P.
 McIsagart, Wallace.

PATSON.

Crocker, Henry A.
 Smart, Kimball E.

PEARL.

Ludow, G.

PECATONICA.

Trull, Ziba A.

PEKIN.

Dirksen, John G.
 Ehrlicher, H. M.
 Muehlmann, William.
 Ruhl, Noah B.

PELLONIA.

Young, John D.

PELLSVILLE.

Ketchum, Norris F.

PENFIELD.

Walker, T. E.

PEORIA.

Albrecht, Henry.
 Bell, James S.
 Benton, W. M.
 Bourscheidt, F. C.
 Bowman, Chas. A.
 Campen, Anton F.
 Cottel, W. I.
 Coffinberry, S.
 Davis, Robt. S.
 Dawson, B. F.

PEORIA—Continued.

Dumbeck, Victor H.
 Farrell, Hiram G.
 Fisher, Chas.
 Fisher, Jos. E. F.
 Heschong, John F.
 Ippensen, H. W.
 King, Robert A.
 Kruse, Hero.
 Lemon, Alb.
 Leuder, Fritz.
 McDougal, E. D.
 Martenev, T. A.
 Niculise, Gustave.
 Peck, W. R.
 Reen, A. W. H.
 Rennen, Wm. A.
 Rowell, J. F.
 Rimpert, G. S.
 Snyder, D. S.
 Welsbruch, H. J.
 Zindel, Wm. A.

PEOTONE.

Board, David J.
 Mills, Andrew J.
 Mills, Wm. F.
 Sammons, E. H.
 Shumway, E. B.

PERCY.

Moulie, Wm.

PERRY.

Ayers, Dana.
 Brengelman, H. H.
 Dunn, Harvey.
 Harris, R. F.
 Sharer, Wm. L.

PERU.

Hattenhauer, B. C.
 Nadler, C.
 Reidel, A. J.
 Seebach, E. G.

PETERSBURG.

Fischer, John G.
 Fisher, Theo.
 Luthringer, G. F.
 Truckenmiller, G. L.
 Stewart, Homer.

PHILLIPSTOWN.

Bacon, Milton H.
 Newell, David.

PHILO.

Parker, C. E.

PIASA.

Clark, Geo. H.

PILOT.

Tilton, A. B.

PINKNEYVILLE.

Campbell, Thos. S.
 McNeil, Wm.
 Smith, Prudence E.

PIPER CITY.

Boal, Delmor A.
 Boal, Mary E.
 Culbertson, Sam'l D.

PITTSFIELD.

Atkinson, Geo. M.
Harder, C. H.
Hyde, David W.
Lewis, Jas. C.
Siegle, Gottlieb.
Siegle, John.
Smith, R. O.

PLAINFIELD.

Adams, Jos. R.
Clippinger, I. A.
Jump, David W.
Tobias, T. C.

PLAINVIEW.

Burwash, T. N.

PLANO.

Allen, Ethan.
Bennett, J. E.
Jenks, J. H.
Lord, F. H.

PLEASANT HILL.

Clare, S. H.
Cummiskey, T. F.

PLEASANT MOUND.

Caylor, Allen.

PLEASANT PLAINS.

Brownback, Edw.
Roberts, W. F.
Smith, G. M.

PLUM RIVER.

Sharp, J. N.
Tyrrel, Miles.

PLYMOUTH.

Rhea, L. J. Jr.
Shaffer, John W.
Wade, D. E.
Wade, John W.

POCAHONTAS.

Remick, A. E.

POLO.

Albright, R. S.
Aldrich, Tilson.
Boyle, J. G.
Donaldson, H. E.
Gibboney, Robt. H.
Hapeman, H.
Hunt, H. B.
Spear, Jos. L.
Walden, C. H.

POMONA.

Lee, Arthur M.

PONTIAC.

Benkma, C.
Caldwell, Jas. A.
Croswell, Jas. T.
Lutyan, Lyman F.
Lutyan, Wm. C.
McGregor, Chas. A.
Overholt, John F.
Streamer, Jacob.
Woolverton, Byron W.

PONTOOSUC.

Albernethy, Alexander.
Thomas, William R.

POPLAR GROVE.

Briggs, Mortimer C.
Tallerday, George C.

PORT BYRON.

Coyne, Christopher C.
Fleming, Wilson.
Rogers, Ed. M.
Rogers, Frank E.

POTOMAC.

Courtney, Z. B.
Courtney, J. B.
Messner, L. U.

PRAIRIE CITY.

Brinkerhoff, E. M. L.
Connor, John.
Kreider, Henry W.

PRAIRIE DU ROCHER.

Brands, A. L.
Sloey, James.

PRE-EMPTION.

Seyler, James H.

PRINCETON.

Banschback, William.
Cushing, Charles G.
Keller, William.
Mann, A. L.
McNair, J. M.
Payne, C. W.
Prince, J. W.
Spake, John L.
Wagner, George F., Jr.
Winter, William H.
Woodruff, George.
Woodruff, William S.

PRINCEVILLE.

Blass, Solomon.
Herron, David.

PROPHETSTOWN.

Burke, Thomas E.
Eskey, F. W.
Ilg, J. E.
Mosher, James H.

PULASKI.

Lewis, A. W.
Rowley, Joseph W.

PULLMAN.

Hummsland, K. S.
Secord, F. H.

QUINCY.

Burks, Howard C.
Bassett, Moses F.
Boyd, James B.
Carley, Charles E.
Cherry, David B.
Dickhut, Christian C.
Durant, Joseph F.
Ehmann, Ernst.
Evans, John H.
Germann, Henry.
Goim, J. Louis.
Hackmann, Frederick W.

QUINCY—Continued.

Haxel, Charles.
 Heidebreder, Aug. H.
 Heidebreder, John H.
 Lomelino, Joseph W.
 Miller, Bernard H.
 Montgomery, Robert.
 Oehlmann, Charles.
 Schroeder, Herman.
 Sellner, Albert.
 Terdange, George.
 Watson, M. H.
 Whitfield, B.

RALEIGH.

Burnett, Henry L.
 Fair, James D.

RAMSEY.

Andrews, George W.
 Lindhorst, William F.

RANKIN.

Finney, F. A.
 Rose, Hugh A.
 Westberry, Andrew B.

RANSOM.

Brown, S. L.
 Clark, S. M.
 Transeau, Bridget E.

RANTOUL.

Beard, James M.
 Neal, Alfred P.
 Rollings, J. S.
 Steele, Daniel.

RARITAN.

Lathrop, George H.

RAVENSWOOD.

Dodge, William C.
 Keeton, T. A.
 Taylor, F. M.

RAY.

Baxter, William N.

RAYMOND.

Tilden, J. G.
 Tilden, S. S.

RED BUD.

Dinges, Henry A.
 Lesauinier, Louis.

REDMON.

Gordon, James S.
 Standley, Calaway N.

RENAULT.

Chewing, Jesse.

REYNOLDS.

Crandell, Melville C.

RICHMOND.

Alexander, Albert B.
 Haythorn, John W.
 Hyde, J. R.
 Smith, John C.

RICHVIEW.

Merrill, William S.
 Petros, J. A.

RIDGE FARM.

Arnold, J. E.
 Hinchaw, D. C.
 Lynch, Charles W.
 McFarland, Charles O.
 Moore, R. E.
 Smick, C. R.

RIDGEFIELD.

Davis, Alvin S.

RIDGEVILLE.

Hibbard, L.

RIDGEWAY.

Hanna, F. Y.

RINARD.

Chaney, David F.

RIO.

Hurst, John C.

RIPLEY.

Mills, G. M.

RIVERSIDE.

Congdon, J. L.

RIVERTON.

Deal, John.
 Miller, Thomas O.

ROANOKE.

Wheelwright, Joshua F.
 Zimmerman, David B.

ROBERTS.

Cassingham, M.
 Cassingham, Ora W.

ROBINSON.

Grube, Charles H.
 Ruddell, James D.
 Ruddell, Zalmon.
 Short, Albert R.

ROCHELLE.

Barker, Franklin.
 Clark, George W.
 Hartong, Alfred W.
 Vradenburg, H. L.
 Wilson, T. T.

ROCKBRIDGE.

Keeley, Jacob.
 Miller, Adam E.

ROCK FALLS.

Bickford, J. M.

ROCKFORD.

Austin, S. A.
 Burton, T. R.
 Brown, Edward W.
 Cooke, Frederick.
 Ekstein, Adolph A.
 Foote, Walter L.
 Gearn, George C.
 Harding, Smith T.
 Henderson, A.
 Hitchcock, George J.
 Kimball, P. S.
 Klopp, E. L.

ROCKFORD—Continued.

McNair, J. M.
 Nye, F. T.
 Norderling, K. A. L.
 Porter, John R.
 Rowlands, Robert C.
 Sabin, Charles.
 Worthington, William H.

ROCK GROVE.

Bolender, Henry H.
 Emrick, George A.

ROCK ISLAND.

Bahnsen, Frank W.
 Bengston, John.
 DeSanto, H. H.
 Fisher, Charles E.
 Gleim, Charles.
 Grotjan, Otto.
 Harris, Charles G.
 Hartz, Benjamin C.
 Hyden, Carl.
 Ippensen, Herman W.
 Koehler, Emilie.
 Marshall, Wm. H.
 Nudler, Frank.
 Reiss, C. E.
 Speldel, Conrad.
 Thomas, A. Thos.
 Wheaton, Frank M.

ROCKPORT.

Strub

ROCKTON.

Packard, J. W.
 Royden, Wm. C.
 Veness, E. John.

ROCKWOOD.

Beauvais, Crittenden.
 Harry, Wm. D.
 Wagner, Peter J.
 Richards, Benj.

ROGERS PARK.

Burbank, C. H.

ROODHOUSE.

Bruner, And. J.
 Hosman, J. W.
 Moore, D. B.

ROSCOE.

Bradley, Jas. A.
 Fyler, Lorenzo S.

ROSE BUD.

King, Wm.

ROSE HILL.

Devall, Erastus O.

ROSELAND.

Bickhaus, Conrad.

ROSEVILLE.

Aylsworth, Homer E.
 Prouty, J. W.

ROSSVILLE.

Gilbert, Fannie M.
 Ross, Chas. M.

RUSHVILLE.

Anderson, E. M.
 Finch, M.
 McCreery, Jas. G.
 Montgomery, Alex.
 Prentiss, M. M.

RUTLAND.

Blandin, Chas. W.
 Shaw, Jos. M.

ST. AUGUSTINE.

Hilton, G. F.

ST. ANNE.

Bastien, Napoleon.
 Matthein, L.

ST. CHARLES.

De Wolf, A. B.
 Longacre, H. Y.
 Van Patten, J. S.
 Van Patten, L.
 Zabriskie, David L.

ST. ELMO.

McKenzie, D. W.
 Ranney, Sam'l L.
 Smith, B. C.

ST. FRANCISVILLE.

Traylor, Jesse.

ST. JACOB.

Spies, Chas.
 Wood, Harrison T.

ST. JOSEPH.

Shoemaker, Geo. A.
 Stephenson, Lewis E.

ST. LIBORY.

Fischer, Franz.

ST. MARY.

Gros, P. E.

SALEM.

Green, T. J.
 Herron, Sam'l J.
 Schwartz, Frank.
 Schwartz, Jos.

SALISBURY.

Duncan, T. S.

SAMOTH.

Stophlet, Lorenzo D.

SANDOVAL.

Robertson, John L.
 Sherman, Henry L.

SANDWICH.

Miller, John H.
 Potter, Theron.
 Ramey, A. H.

SAN JOSE.

Linbarger, E.

SANNEMIN.

Hemphill, C. C.
 Ross, C. F.

SAVANNA.

Craig, Harry.
Smith, A. H.
Upchurch, John W.
Woodruff, Elias.

SAYBROOK.

McDaniel, Creed.
Shores, Enoch H.
Travis, M. B.

SCIOTA.

Herlocker, David A.
Webb, Silas A.

SCOTT LAND.

Kelly, M.

SCOTTVILLE.

Gobble, Isaac N.
Gobble, John P.
Hancock, Geo. H.
Wheeler, Marshall L.

SECOR.

Hereford, Edw. L.
Tribbey, Peter L.

SEEHORN.

Crocker, Frank F.

SIGEL.

Chapman, P. E.
Frost, T. G.

SENECA.

Clymer, Keever.
Thomas, C. H. R.

SEYMOUR.

Clark, J. B.

SHABONA.

Allen, Martin V.
Steward, O. S.
Stephens, J. F.

SHANNON.

Butterbaugh, Samuel H.
Moyer, John C.

SHARPSBURG.

Fenner, John B.
Newberry, Edward F.

SHAWNEETOWN.

Colvard, Alex. H.
Docker, W. F.
Dingley, C. A.
Eberwine, Edw.
Fais, Jacob.
Robinson, John L.
Robinson, Michael.

SHEFFIELD.

Cunningham, T. N.
Rummel, J. H.
Stetson, J. B.

SHELBYVILLE.

Hopkins, Edw. M.
Huginbotham, L.
Rhoads, Geo. W.
Seaman, Jos. O.
Seaman, Lewis S.

SHELDON.

Hereford, J. F.
Speck, Adolphus C.

SHERIDAN.

Day, E. E.
Harrison, H. B.
Tyrrell, F. M.
Weston, Chas. H.
Weston, C. F.

SHILOH HILL.

Tegtmeier, Geo.

SHIPMAN.

Gilson, Geo. H.

SHUMWAY.

Phifer, J. N.

SIBLEY.

Baker, F. R.

SIDNEY.

Brady, C. M.
Hess, A.
Lindsey, Wm. E.
Vernon, Chas. A.
Vernon, Geo. W.

SMITHFIELD.

Watson, W. R.

SMITHTON.

Bock, Gustavus C.

SNI CARTE.

Reemtsen, J. H.

SOMONAUK.

Wright, Carter E.

SORENTO.

Beeson, J. W.

SOUTH CHICAGO.

Arnold, W. B.
Herman, Jacob.
Macy, E. B.
Matthews, J. W.
Merrill, J. W.
Shaw, Wm. G.

SOUTH EVANSTON.

Baker, G. R.
Mason, E. L.

SPARLAND.

Athey, Alfred J.
Gapen, Timothy F.

SPARTA.

Alexander, Jas.
Alexander, Sam'l H.
Gordon, N. R.
Grenslet, E. D.
Grant, W. H.

SPRINGFIELD.

Bales, C. W.
Beall, Wm. R.
Blair, E. J.

SPRINGFIELD—Continued.

Brown, J. B.
Brown, D. C.
Coven, H. S.
Diller, I. R.
Diller, Roland W.
Dodds, Richard N.
Fisher, John S.
Fleury, Annie M.
Fleury, Frank.
Grimes, Frank H.
Hall, John G.
Harte, P. W.
Million, E. A.
Ryan, Chas.
Sayler, E. R.
Schulze, Wm.
Smith, C. M.
Sommer, Louis.
Sprague, O. N.
Webb, Alex.
Wyckoff, E. E.

SPRING GARDEN.

Carroll, Francis M.

STANFORD.

Gerbrick, Marcus.
Rockhold, John.
Riley, Wm. H.

STAUNTON.

Buchheit, A. W.
George, A. H.

STEELVILLE.

Keller, Jacob.
Malone, Jas. M.

STERLING.

Brown, Alb. A.
Berry, Geo. P.
Brown, Catherine B.
Eshleman, Jacob K.
Hendricks, Allen R.
Keefer, Henry.
Keefer, John F.
Kline, Geo. L.
Oliver, Oscar A.
Strickler, Daniel B.
Strickler, Job S.
Weaver, B. M.

STEWART.

Gardner, J. L.
Robinson, Henry A.

STEWARTSON.

Knox, John W.
Knox, Victoria A.
Robinson, Thomas N.

STILLMAN.

Kennedy, H.

STILLMAN VALLEY.

Spaulding, Geo. L.

STONE FORT.

Goe, H. S.
Kelly, Geo. W.

STONINGTON.

Alverson, E. M.
Bauer, J. T.

STRASBURGH.

Wlandt, James H.

STRAWN.

Oxley, W. H.

STREATOR.

Cope, Israel C.
Cotting, Chas. L.
Elder, E. B.
Griggs, Oakley.
Hattenhauer, B. A.
McDougall, N.
Poor, T.
Shoop, F. J.
Wolley, Myron.
Wolley, Milton.

STROUT.

Collard, Elijah B.

SUBLETTE.

Barton, Jacob B.

SULLIVAN.

Livers, Jas. A.
Parrett, S.
Welch, Jas. S.

SUMMERFIELD.

Taggart, W. B.

SUMMUM.

Breeden, John H.

SUMNER.

Bosart, J. M.
Burget, John A.
Carlton, W. R.
French, Z. D.
Shepherd, Z. D.
Stokes, J. M.

SWAN CREEK.

Roberts, M. B.

SWANWICK.

Adair, W. M.

SWEETWATER.

Schofield, Jos.

SYCAMORE.

Brown, Chas.
Brown, Henry D.
Hyde, C. E.
Jones, Preston K.
Sobey, Richard.

TABLE GROVE.

Hunter, John H.
Renshaw, Newton A.
Wolf, J. H.

TALLULA.

Glenn, Jas. A.

TAMAROA.

Williams, J. S.
Lipe, Burton F.
Willoughby, C. L.
Ward, F. M.

TAMPICO.

Jacobs, A. E.
Ladue, E. A.

TAYLORVILLE.

Crooker, Arthur.
Crooker, G. W.
Jayne, Henry.
Pittman, Wm.
Rockwell, Alonzo S.
Seaman, Albert.
Williams, Meile.

TENNESSEE.

Eaton, Jas.
Pittman, W. R.

TERRE HAUTE.

Kirkpatrick, W. T.

THAWVILLE.

Crumpler, Benj. B.

TREBES.

Brown, Thos. A.

THOMASBORO.

George, Robt. W.

THOMSON.

Britell, Dan.
Britell, Emulous.
Williamson, Jas. M.

TIME.

Klein, Walter S.

TIOGA.

Harris, D. M.

TISKILWA.

Dexter, Geo. E.
Kelloug, Geo. O.
Kirkpatrick, Wm.

TOLEDO.

Connor, J. T.
Humphrey, W. R.
Park, Wm. W.
To-sey, John B.
Yanaway, J. H.

TOLONO.

Fay, Andrew F.
Harvey, Rufus A.
McNichols, Arthur W.

TONICA.

Pratt, Geo. G.
Thompson, Edward G.

TOPEKA.

Martiz, Chas. H.
Perrill, J. A.

TOULON.

Conover, Sam'l K.
Hanna, John.
Wright, Chas. W.

TOWANDA.

Howard, Geo. W.
Keys, R. H.
Macy, Wm. H.

TOWER HILL.

Corley, Geo.
Fringer, Geo. W.

TRENTON.

McGuire, John.
Wyle, S. B.

TROY.

Kingston, S.
Sabin, Frank A.

TUNNEL HILL.

Carson, Pleas. J.

TURNER.

Hemenway, L. G.
West, John E.

TUSCOLA.

Field, John A.
Higgins, Jas. D.

UNION.

Randall, Frank N.
Sheldon, E. L.

UNITY.

Ireland, W. W.

UPPER ALTON.

Stebbins, Fred. J.
Swift, Henry C.

URBANA.

Hunt, J. E.
Knowlton, W. M.
Sim, Wm.
Sims, W. B.

URSA.

Denson, John T.

UTICA.

Higby, Harmon W.
Wheeler, T. E.

VANDALIA.

Barnard, G. L.
Eshleman, John M.
Humphrey, Hector S.
McCord, David.
McCord, John N.

VAN ORIN.

Landis, B. F.

VARNA.

Evans, Jesse W.
Hagy, Wm. O.

VENICE.

Wulfemeyer, H. H.

VERMILLION.

Boyer, Jos. W.
Lamb, Jasper W.
Vansickle, Daniel S.

VERMONT.

Gardner, Lawrence E.
Gardner, Marcus L.
Russell, Jas. A.
Russell, Oscar H.

VERNON.

Morton, Sam'l M.

VERONA.

Bedford, J. R.
Cook, Wm. B.

VERSAILLES.

Wilson, S. J.
Wright, John W.

VICTORIA.

Bennett, Elmer.
Sayre, Chas. A.

VIENNA.

Benson, N. J.
Johnson, Thomas G.
Simpson, W. C.
Simpson, F. M.

VILLA RIDGE.

Edson, Willis B.
Kelly, I. H.

VIOLA.

McKinnie, E. L.

VIRDEN.

Austin, Bird.
Boyer, John.
Clark, Sam'l H.
Gish, Abram C.
Hanley, G. W.
Hae, Thos. A.
Shriver, Jos. H.
Sprague, Egbert G.
Trott, J. E.

VIRGINIA.

Colladay, Stephen M.
Gatton, Chas. B.
Smith, Dan'l G.
Wood, Wm. R.

WADSWORTH.

Dawson, Jas. B.

WALNUT.

Burrell, Geo. H.
Thompson, J. H.

WALNUT PRAIRIE.

Gunn, Otis J.

WAPELLA.

Davis, Thos. W.
Harpster, Frederick L.

WARREN.

Baldwin, E. S.
Grabner, A. F.
Kessler, Sam'l F.
Scheddell, W. A.

WARRENSBURG.

Calto, W. M.
Demsey, Cyrus F.
McLain, W. T.

WARSAW.

Brinkman, Henry A.
Dawson, T. B.
Stephens, Geo. V.
Stephens, Wm. F.
Stevens, Jas. L.

WASHBURN.

Fulton, Milton S.
Pelz, Herman J.

WASHINGTON.

Allen, W.
Alphonso, Alfred.
Zinser, Israel.

WASHINGTON HEIGHTS.

Lowenthal, Lewis.

WATAGA.

Slater, Albert S.

WATERLOO.

Eilbracht, Wm. E.
Kuenster, Hubert.
Kuenster, E.

WATERMAN.

Giles, John A.
White, S. C.

WATSEKA.

Arnold, Daniel W.
Arnold, Thos. S.
Near, J. S.
Oren, Asa.
Pulliam, L. C.

WATSON.

Sprinkle, Irwin A.

WAUCONDA.

Harrison, F. B.
Humphrey, John

WAUKEGAN.

Pearce, Wm. S.
Pearce, Wm. W.
Mackey, Wm. C.
Wright, Arthur O.

WAVERLY.

Bradley, Geo. W.
Fleming, Wm. C.
Hutchinson, Wm. A.
Swan, Chas. R.

WAYNESVILLE.

Whiteman, Wm. C.
Williamson, Chas. W.

WELDON.

Packard, Jas.
Winslow, Wm.

WELLINGTON.

Prillman, Walton M.

WENONA.

Downey, Wm. L.
Vaughn, Isaac.

WESTFIELD.

Owen, Meredith.

WEST LIBERTY.

Youngman, Stacy R.

WEST POINT.

Hart, J. F.

WEST SALEM.
Lopp, Geo.

WESTVILLE.
Neugent, John W.

WHEATON.
Henninger, W. A.
Hiatt, Luther L.

WHITE HALL.
Hamilton, J. W.
Husted, Oscar J.
Lowenstein, Louis.
Mytinger, Francis M.
Oswald, Louis.
Vedder, Frank L.

WHITE HEATH.
Peel, Francis M.

WILLIAMSVILLE.
Perce, Wm. L.

WILLOW HILL.
Chittenden, Wm. J.

WILMINGTON.
Willard, Edw. R.
Willard, Erastus W.

WINCHESTER.
Edwards, Wm. A.
Frost, Robt.
Millizan, Henry M.
Robertson, H. E.

WINDSOR.
Aldridge, Silas H.
Edwards, Gideon A.
Hilligoss, John W.
Jeffries, Stephen D.
Larkin, Edgar L.
Reed, Andrew J.
Smyser, William C.
Mooberry, E. M.
Montgomery, Michael.

WINSLOW.
Brady, Wm. I.
Nemee, G. F.
Smith, Eugene O.
Webster, Chas. W.

WITT.
Wobker, Henry.

WOODHULL.
Lilley, P. A.
Taylor, David P.

WOODLAND.
Browne, Mary N.
Browne, Susan A.
Browne, Wm. S.
Salim, Daniel E.

WOOD LAWN.
Welborn, Geo. B.

WOODSTOCK.
Hoy, Luman T.
Murphy, A. R.
Stone, Edw'd E.
Stone, Geo. T.
Wheat, John K.
Wright, Adelbert S.

WORDEN.
Paul, Philip H.

WYANT.
Barrett, Jos.
Hitchcock, Edwin G.
Tuttle, O. K.

WYOMING.
Cox, Jerry M.
Davis, Fred. E.
Teeter, Chas. W.
Teeter, Elias S.
Wall, W. C.

XENIA.
Maxcy, Bennett M.
Gauger, John K.
Porter, Asa H.

YATES CITY.
Boyer, Stephen.
Hensley, John W.

YORKVILLE.
Hill, F. G.
Moore, Chas. E.
Newlon, W. R.
Seely, A. T.

YORK.
Ketchum, E.
Ryerson, Car. D.

YALE.
Barlow, Jas. M.
Byers, R. S.

TOTAL, 3,058.

REGISTERED ASSISTANT PHARMACISTS.

ABINGDON.

Bell, J. B.
Heller, Jno. L.
Johnson, John H.

ADELINE.

Reichenbach, Wm. D.

ALBANY.

Chamberlin, Wm. A.

ALEXIS.

Bogue, Jas. E.

ALTON.

Berry, Julius M.
Davis, Chas. L.
Marsh, Geo. E.
Shanklin, R. M.
Wyss, Sam'l, Jr.

ANNA.

Bussey, H. F.
Henkle, S. A.

ANNAPOLIS.

Lickliter, H. M.

ANNAPAWAN.

Robinson, Jno. L.

ARCOLA.

Carter, T. H.

ARLINGTON HEIGHTS.

Farwell, Edw. J.

ASHLEY.

Dickerman, Geo. F.

ASTORIA.

Tischer, Wm. C.
Mooney, R. N.
Putnam, Chas. E.
Robertson, H. E.

ATHENS.

Smith, R. A.

ATKINSON.

Weekley, Isaac.

ATLANTA.

Angell, C. F.
Jones, Chas. A.
Jones, W. L.

ATWOOD.

Lucas, F. E.

AUBURN.

Brownell, Wm.
McInnis, F. C.

AUGUSTA.

Stockton, C. E.

AUBORA.

Bernhard, P. H.
Bevier, J. E.
Glover, J. L.
Siddall, F. T. L.

AVON.

Babbitt, J. H.

BALDWIN.

Rhodes, H. A.

BARRINGTON.

Fay, A. G.
Parker, Starling P.

BATAVIA.

Stephens, Chas. C.

BEARDESTOWN.

Byrns, J. H.
Dahman, F. C.
Dowler, Arthur.
Rice, C. A.
Schæfer, J. H.

BELLEVILLE.

Barnickol, E. H.
Houler, Louis.
Kopf, J. B.
Moses, Fred.

BELVIDERE.

Patterson, Eugene O.
Ransom, F. L.

BEMENT.

Cox, Sullivan W.

BENSON.

Learned, F. E.

BETHALTO.

Youngwirth, J. P.

BIBLE GROVE.

Falley, F. C.

BIGGSVILLE.

McKee, Henderson.

BINGHAM.

Milligan, G. W.

BLACKSTONE.

Norton, Thos. A.

BLANDINSVILLE.

Daniel, Wm. B.

BLOOMINGTON.Fischbeck, W. A.
Garver, J. N.
Hering, O. E.
Haggard, Fred P.
Kitchell, A. M.
Plumley, M. C.
Reinhardt, Wm. A.
Schumacher, J. H.**BLUE ISLAND.**

Schapper, Louis.

BOLTON.

Goe, E. B.

BRACEVILLE.

Mickle, J. W.

BRADFORD.Plummer, W. P.
Rowland, T. H.**BRAIDWOOD.**Hoffman, Wm.
Smith, J. A.**BREMFIELD.**

Fisk, E. D.

BRIGHTON.

Dickerson, L. M.

BUNKER HILL.Krauth, E. W.
Duby, Louis.**BUSHNELL.**

McGoun, J. C.

CAIRO.Barclay, P. C.
McDowell, W. F.
Metzger, M. C.
Speck, Geo. H.**CAMARGO.**

Porter, Thos. M.

CAMBRIDGE.Levin, Jno.
Tillman, E. A.**CAMPBELL HILL.**Cluster, D. B.
Cluster, O. C.
Dean, O. A.**CANTON.**Bedell, Alb. E.
Hurst, John McD.
Porter, Chas. L.
Wyman, H. H.**CARBONDALE.**Porter, E. K.
Richart, E. B.**CARLINVILLE.**

Berry, Wm. E.

CARMAN.

Walker, H. W.

CARMI.Dale, Henderson.
Stewart, F. L.**CARROLLTON.**

Vedder, Isaac N.

CARTERVILLE.

Bundy, S. H., Jr.

CASEY.

Brown, Jno. F.

CAZENOVIA.

Meyer, Peter.

CEDARVILLE.

Richart, Alma.

CENTRALIA.Evans, Wm. R.
Saxe, Alb. E.**CERRO GORDO.**

Moon, W. B.

CHAMPAIGN.Brown, Wm. H.
Nicolet, Wm. H.
Tucker, Horace P.**CHARLESTON.**

Kennedy, W. C.

CHEBANSE.

Watson, A.

CHENOA.

Skinner, R. C.

CHERRY VALLEY.

Swits, Frank.

CHESTER.Harkness, James J.
Laird, D. P.
Miller, Wm.
Morrison, L. W.**CHICAGO.**Abel, E. J.
Ackley, F. D.
Adair, Edw.
Ade, D. A.
Ade, Emanuel G.
Ade, Samuel G.

CHICAGO—Continued.

Alborn, F. H.
Angell, J. F.
Austen, C. W.

Bagby, John C.
Bailey, Chas. E.
Bate, H. J.
Beck, A. B.
Behnke, Julius C.
Behrens, Paul.
Benson, R. F.
Berger, Frank J.
Bierstedt, E. A.
Bishop, Chas.
Bishop, S. E.
Billerbeck, F. C.
Bluthardt, Oscar.
Bonheim, Frank.
Booth, Wm. C.
Braun, John A.
Browne, S. P.
Brundage, E. W.
Burgwedel, Aug. C.
Bush, T. E.
Butler, F. A.

Carleman, Chas. D.
Carpenter, E. J.
Carlson, Ebenezer.
Coffin, S. L.
Collins, F. N.
Crain, J. W.
Culver, Geo. H.

Dannecker, Wm. E.
Davis, Herbert.
Davison, W. T.
DeSwarte, P. B.
Diamond, Thos. E.
Dietz, John.
Dyche, W. C.

Eakins, David S.
Eberlein, Emil C.
Engel, Chas. I.

Fenwick, W. H.
Flske, Calvin J.
Fleming, James R.
Franken, J. L.
Frisch, Hans.

Gale, W. H.
Gardner, W. C.
Getz, Michael.
Gill, Chas. W.
Gilliland, Wm.
Goltz, J. A.
Goodfellow, C. W.
Guertler, Jos.

Haberer, O. J.
Haerther, A. G.
Hagens, W. L.
Hamilton, Wm.
Harvey, I. P.
Hatterman, C. F.
Havnes, George H., Jr.
Healy, W. J. K.
Hermann, H. Von.
Hermann, Wm. F.
Heymann, C. J.
Hornado, C. J.
Hottenroth, Arthur.

Ingraham, W. E.

Jacobi, A. M.
Jacobi, Manfred.
Johnson, J. B.
Justi, Wm.

Kasbaum, Christian.
Keneagy, John F.

CHICAGO—Continued.

Kerr, R. H.
Kienh, Geo.
Kleene, F.
Knefel, F. P.
Kneivitt, Wm. H.
Krembs, Moritz.

Livesay, R. J.
Luning, August G.

McCormick, Elmus.
McGoffin, W. R.
McLennan, K. S.
Mallen, P. H.
Masberg, A.
Matthews, Charles E.
Mehl, Wm.
Merrifield, F. E.
Merten, H. M.
Misenheimer, Edward C.
Muehlmann, H.
Myers, H. G.

Nehls, R. C.
Nichols, H. G.
Nies, Edler O.
Nilsson, Peter.

Orth, E. W.
Oughton, C. M.

Palmer, H. W.
Parsons, Geo. F.
Pilgrim, Fred.
Powers, W. H.

Richards, Wm. T.
Richardson, P. H.
Ripke, Geo. W.
Ritter, Geo.
Rosch, John.
Roaf, Wm. J.
Rosenbach, C. W.
Russell, D. P.
Ryall, George.

Sandstedt, H.
Sawyer, Wm. W.
Schaler, Jacob.
Schmidt, T.
Scupham, Wm. C.
Schroeder, Chas. R.
Schroeder, Louis.
Schroefeld, Harry.
Schroeter, Fred J.
Schmidt, Jos. H.
Schmitt, L. M.
Schuster, E. C.
Scott, J. S.
Seibert, Geo. F.
Sempill, W. M.
Sethness, Chas. O.
Sherwood, H. E.
Siddall, J. J.
Simmons, L. A.
Smith, E. N.
Stamm, Karl J.
Stein, John.
Stockdale, S. C.
Straw, John I.
Sweet, Chas. A.

Tarskoy, I. H.
Thoma, Henry F.
Thumser, W. W.
Tiece, J. H.

Vanderpoel, C.
Vaupell, Wm. R.
Vavra, V.
Venus, Wm. A.
Vincent, Hamilton.
Vogelsang, Robert.
Vreeland, H. E.

CHICAGO—Continued.

Wachenschwanz, Louis.
 Waldecker, F. J.
 Waters, A. W.
 Welch, Chas. M.
 Wells, James H.
 Wiese, Adolph.
 Wilming, J. B.
 Wilson, D. W.
 Wolfner, E. R.
 Wright, W. C.
 Wunderle, Emil.

Young, Nelson.
 Young, Peter G.

CHILlicoTHE.

Caldwell, W. S.

CISCO.

Pease, Mary L.

CLAYTON.

Duff, P. D.
 Teachnor, I. L.

COAL VALLEY.

Martin, Wm. B.
 Martin, Thos. R.

COLCHESTER.

Fields, R. B.
 Perry, Mrs. C. F.

COLEBOUR.

Busing, L. C. J.

COLFAX.

Green, Milton A.

COLONA.

Reese, Levina A.

COLUMBIA.

Lambrecht, A.

CORDOVA.

Myers, Lewis C.

CRESTON.

White, E. H.

DANVILLE.

Cox, L. W.
 Cutting, Jno. P.
 Korn, L. A.
 Oetzel, Wm. A.
 Stuebe, Louis F.
 Woodbury, A. G.
 Woodbury, W. W.

DECATUR.

Brown, W. J.
 Hildebrand, Theo.
 Hubbard, Wm. H.
 Krone, N. L.
 Prestly, J. P.

DEKALE.

Garner, C. W.
 Lundstrom, J. P.
 Post, Geo. D.

DIXON.

Anderson, J. W.
 Ellicott, L. E.
 Hayden, D. F.
 Higgins, A. S.

DuBois.

Foster, M. V.

DUNDEE.

Browning, Fred.

DuQUOIN.

Palmer, Julian S.

DWIGHT.

Seymour, Mary D.
 Stafford, Wm.

EARLVILLE.

Pool, H. N.

EASTON.

Cunningham, Anna A.

EFFINGHAM.

Fortney, Ben.
 Vandever, Thos. G.

ELGIN.

Gahan, John T.
 Springer, Edw.
 Tuck, T. L.
 Weatheril, Wm. L.

ELIZABETH.

Hutton, Neil.

EL PASO.

Schuirmann, Carl.
 Thompson, Jas.

ENFIELD.

Proudfit, A. P.

ERIE.

Cunningham, Fidella.

EUREKA.

Stumpf, Frank B.

EVANSTON.

Lochemes, W. T.
 Root, M. H.

FAIRBURY.

Wade, Wm. C.

FAIRMOUNT.

Short, W. C.

FARMINGTON.

Heaton, C. W.
 Smith, Chas. A.

FENTON CENTRE.

Allen, Lydia M.

FITHIAN.

Doney, B. F.
 Elder, Martha J.

FORBEST.

Dockett, Fred.

FORRESTON.

De Beer, Geo.
 Haller, Ed. E.
 Haller, Theo. F.
 Pyler, C. C.

FRANKLIN GROVE.

Lipe, Mary P.

FREEPORT.

Chamberlain, G. S.
Froning, Christian.

FULTON.

Peters, Leopold.

GALENA.

Heid, F. H.
Hoffman, J. D.
Ritter, A. P.

GALESBURG.

Devendorf, C. H. A.
Halsey, W. N.
Lescher, E. F.
Lescher, Jno. W.
McLernan, John.
Temple, John.

GALATIA.

Jones, R. P.

GALVA.

Brown, B. F.
Carson, D. P.
Lees, Edw. D.
Peterson, Geo. S.

GARDNER.

Agard, R. M.
Goold, H. B.

GENESE.

Harmon, F. H.
Wright, J. E.

GENEVA.

Jeffrey, J. W.

GIBSON.

Lott, J. R.
Pence, A.

GIFFORD.

Wooldridge, Wm. A.

GILMAN.

Moore, Ira C.
West, F. L.

GIBARD.

Metcalf, C. H.
Weed, Geo. B.

GLASGOW.

York, M. A.

GOOD HOPE.

James, J. E.

GRAFTON.

Hewitt, Wm. R.

GRANT PARK.

Bailey, W. S.

GRAYVILLE.

Bailey, Geo. A.
Haynie, G. W.

GREENFIELD.

Saylor, C. W.

GREENUP.

Couzet, Jno.
Wylde, Wm.

GREEN VALLEY.

Trowbridge, W. H.

GREENVILLE.

McCord, E. S.

GRIGGSVILLE.

Sisk, Wm. T.

HAMPSHIRE.

Terwilliger, Chas. W.

HANOVER.

Hildebrand, J. J.

HARVARD.

Merry, M. W.
Puffer, E. C.
Richardson, W.

HAVANA.

Cheek, I. I.
Reese, S. E.
Schulte, J. H.

HECKER.

Baeumer, Charlotte.

HENNEPIN.

Noxon, Wm. G.

HENRY.

Niece, H. J.
Reeder, Harry.
Saylor, John H.

HEYWORTH.

Dill, J. H. C., Jr.
Robb, Hugh.
Shelton, Joseph.

HINSDALE.

Messick, J. C.

HOMER.

Tinkham, M. D. C.
Waples, Wm.

HOOPESTON.

DeLang, J. W.
Myers, H. C.
Roof, Amy E.

HUME.

Dever, B. H.

HYDE PARK.

Jones, H. D.

IPAVA.

Beatty, E. E.
Little, Jno. P.
Pond, W. W.

IROQUOIS.

Wylie, A. D.

IRVING.

Marks, Jno. W.

JACKSONVILLE.

Anderson, H. B.
Coddling, M. B.
Dunlap, Connell.
Engel, Philip.
Tendick, Peter.

JERSEYVILLE.

DuHadway, C.
McEvers, J.

JOLIET.

Bray, M. J.
Brown, Eugene C.
Duerselen, H. H.
Duerselen, Max.
Horn, Nicholas J.
Tobias, T. C.
Sauer, Henry.

JONESBORO.

Watkins, Geo. T.

KANE.

Enslow, Jno. H.

KANKAKEE.

Kurrasch, O. C.
Schubert, Wm. A.

KANSAS.

Hogue, Geo. H.
Payne, Jno. A.

KEITHSBURG.

Lloyd, O. H.
McManus, J. D.

KIRKWOOD.

Davidson, J. P.

KNOXVILLE.

Witherell, O. C.

LACON.

Watrous, Eugene.
Wilson, Chas. N.

LAKE CITY.

Blain, F. J.

LANARK.

Miller, H. W.
Moffett, T. M.

LA ROSE.

Sherwood, Louisa F.

LA PRAIRIE.

Chinn, Chas. R.

LA SALLE.

Adams, Fred. M.
Adamick, A. W.
Murray, Jno. T.

LEE.

York, H. A.

LEBANON.

Jordan, J. R.

LELAND.

Cassie, L. P.

LENA.

Metz, Robt.

LEBOY.

Buckworth, D. L.
Ross, Jno. R.

LEWISTOWN.

Bays, Geo. M.

LIBERTYVILLE.

Sanborn, Chas. W.

LINCOLN.

George, R. M.
Heald, J. H.

LISBON.

Cook, A. E.
Moore, Chas. S.
Moore, Jay E.

LITCHFIELD.

Milnor, Mara M.
Richardson, J. P.

LOAMI.

Saylor, A. O.

LOCKPORT.

Walsh, H. H.

LOSTANT.

Atwood, F. M.

LOVINGTON.

Pifer, Chas.

MCHENRY.

Beers, Chas. H.

MACOMB.

Brown, B. F.

MAHOMET.

Bolinger, Jno. F.

MARENGO.

Chapman, R. A.
Patrick, F. A.

MARINE.

Jordan, Matt.

MARION.

Benson, A. J.
Bundy, W. H.
Vick, Josiah.

MAROA.

Sterling, J. H.
Wysong, A. D.

MARSHALL.

Drake, Jas. M.

MARTINSVILLE.

Berkley, Thos. E.
Porter, J. C.
Tibbs, D. W.

MASON.

Hutchinson, S. E.
Mills, Geo. T.
Mills, Robt. S.

MASON CITY.

Dietrich, Wm. E.
Glass, C. E.

MATTOON.

Horn, F. L.
Dora, J. W.

MAZON.

Campbell, A. J.

MEDORA.

Hunter, Ed.

MENDON.

French, Frank.

- MENDOTA.**
Hasting, J. H.
Schuertz, Jno.
- METROPOLIS.**
Walsh, Wm. E.
- METAMORA.**
McGinnis, C. C.
- MILTON.**
Grimes, Eli.
- MINIER.**
Stephey, J. D.
- MINONK.**
Cushing, A. M.
- MOLINE.**
Mann, A. W.
Wolf, J. J.
- MOMENCE.**
Edwards, R. L.
Kirby, J. J.
- MONMOUTH.**
Brewer, J. W.
Clendenin, Geo. S.
Gilbert, Chas. W.
Morgan, B. A.
Spriggs, Jno. W.
- MONTICELLO.**
Palmer, Dow.
- MORRIS.**
Parmelee, O. E.
- MORRISON.**
Congar, E. J.
Fitzgerald, Frank.
Kentfield, Geo. H.
- MORRISONVILLE.**
Arnold, A. E.
Thompson, J. B.
- MT. AUBURN.**
Mooney, E. R.
Bloxam, W. G.
- MT. CARMEL.**
Baird, F. M.
Ridgway, Wm. B.
- MT. MORRIS.**
Butterfield, S. C.
Brayton, F. B.
- MT. PULASKI.**
Seyfer, Jno. W.
- MT. VERNON.**
Johnson, Jno. N.
Rackaway, J. H.
Ridgeway, C. R.
- MOAWEAQUA.**
Kelser, C. W.
- MURPHYSBORO.**
Rees, S. H.
Werner, Jno. A.
- MURRAYVILLE.**
Sanders, Geo. F.
- NAPERVILLE.**
Daniels, Chas. T.
Daniels, Wm. C.
- NASHVILLE.**
Jones, C. A.
Sandmeyer, Henry W.
- NAUVOO.**
Beger, August.
- NEOGA.**
Willson, Leroy.
- NEPONSET.**
Brees, Milton.
- NEW BREMEN.**
Herrburg, J.
- NEWMAN.**
Bilby, Omer.
- NEWTON.**
Mondy, S. H.
Schackmann, F. C.
- NIAHTIC.**
Kitch, J. P.
Pritchett, Wm.
Richardson, J. P.
- NILWOOD.**
Miller, Robt. M.
- NOKOMIS.**
Schaper, Geo. H.
- NORRIS CITY.**
Jennings, Wm. E.
Langford, John R.
- NORTH HENDERSON.**
Brown, Sam'l A.
- NUNDA.**
Arzbacker, Mrs. S. H.
- OBLONG.**
Gordon, G. P.
- OLNEY.**
Gaffner, Robt.
Powell, Medford.
Stamm, A. E.
- ONARGA.**
Lovell, F. B.
- OQUAWKA.**
Hand, L. H.
White, Jas. R.
- OREGON.**
Jewett, Harvey.
Middlekauff, Wm. L.
- OSWEGO.**
Hubbard, C. E.

OTTAWA.

Freishelmer, Geo.
 Price, Chas.
 Haerberle, Jno. G.
 Hills, C. E.
 Jones, H. W.
 Lutz, C. J.
 Nadler, Wm.
 Yentzer, Geo. W.

OWANECO.

Cussius, Sam'l E.

PARIS.

Hager, Frank F.
 Hill, Wm. S.

PAW PAW.

Pratt, W. A.

PAXTON.

Martin, A. F.

PECATONICA.

Day, A. W.
 Greenwood, B. J.

PEORIA.

Alexander, C. W.
 Bragemann, J. H.
 Durkin, Jas.
 Niehaus, F. W. C.
 Ossenbeck, E. A.
 Overman, Urban.
 Schuler, J. L.
 Vonachen, F. H.
 Zimmerman, R.

PERRY.

Brewer, Jas. D.

PETERSBURG.

Fisher, E. C.
 Ott, Jesse M.

PHILO.

Hess, F. C.

PINCKNEYVILLE.

Edel, Frank.

PITTSFIELD.

Foreman, E.
 Gable, R. B.

PIPER CITY.

Culbertson, Clara K.

PLANO.

Jenks, F. H.
 Seaton, J. C.

PLEASANT PLAINS.

Brownback, H. O.
 Roberts, J. L.

PLYMOUTH.

Shaffer, Arthur E.
 Wade, J. S.

POMONA.

Wood, Francis E.

PONTIAC.

McGregor, B.
 Norton, A. C.
 Murphy, Jno. S.

POPLAR GROVE.

Briggs, M. I.
 Warren, J. W.

PRAIRIE CITY.

Barnes, Geo. S.

PRE-EMPTION.

McEwen, J. W.

PRINCETON.

Cobb, C. M.
 Dunbar, E. B.
 McManis, Clark J.
 Trulson, Jno.

PRINCEVILLE.

Bliss, Jno. F.

QUINCY.

Aumann, Henry.
 Breer, P. H.
 Fischer, Jno.
 Germann, Phillip.
 Luedke, Ferd.
 Montgomery, J. P.
 Montgomery, R. W.
 Parker, Frank C.
 Schmitt, Geo. L.
 Siggsbee, Wm. J.
 Thies, A.
 Van Brunt, J. F.
 Waidin, R., Jr.

RANSOM.

Transeau, J. W.

RANKIN.

Lindstrom, Wm.

RAYMOND.

Tilden, Geo. A.

RELMON.

Casteel, Jas.

RICHVIEW.

Maury, Jas.

RIVERSIDE.

Sedgewick, W. L.

ROBINSON.

Hardman, J. C.
 Kilner, E. B.
 Mefford, D. A.

ROCHELLE.

Clark, Frank W.

ROCK FALLS.

Bickford, Jos. A.
 Myers, B. F.

ROCKFORD.

Caswell, S. J.
 Hirst, Thos. H.
 Mayr, Julius.
 McArthur, F. H.
 McDonnell, Wm. R.
 McLonis, Robt.
 Puffer, F. M.
 Worthington, F. H.

Rock Island.

Balkam, S. L.
Helmbeck, Aug.
Swiler, Jno. C.

Rockwood.

Hamilton, J. B.
Simmons, S. Z. T.

Roodhouse.

Berry, Wm. D.

Rose Bud.

King, Geo.

Roseville.

Aylsworth, N. O.

Rushville.

Prentiss, S. S.

St. Anne.

Mathien, Levi.

St. Jacobs.

Schleifer, Jacob.

Sandwich.

Ameson, John.
Chapman, Wm. N.
Couch, E. H. D.

San Jose.

Linbarger, E. A.

Savanna.

Kellogg, F. E.

Saybrook.

Mace, Jno. A.

Scott Land.

Vanscoyk, Armer.

Scottville.

Feeley, Wm.

Secor.

Enyart, D. C.
Harman, O. C.

Shannon.

Lutz, M. F.

Sharpsburg.

Newberry, J. B.

Shawneetown.

Krebs, L. W.

Shelbyville.

Mills, Jno. M.

Sheldon.

Brokaw, W. H.

Sheridan.

Springer, T. N.

Sidney.

Miller, L. O.

Sigel.

Frost, Mrs. Jane.

Snatchwine.

Cook, E. L.

Springfield.

Brown, J. H.
Burns, H. E.
Cobbs, Jno. W.
Conant, Jno. B.
Davenport, R. E.
Doods, Fred. C.
Fisher, J. W.
Kilner, W. B.
Langeman, Wm. G.
Latham, A. R.
McMurphy, W. H.
Rapp, C. G.
Smith, Geo. C.
Sprague, H. H.
Stuart, C. H.

Staunton.

Bley, D. L.
Bley, R. E.
George, A. V.

Streator.

Blanchard, A. J.
Carmon, N. F.
Crosswell, Clarence.
Minor, E. G.
Minor, Jas.

Stonington.

Clark, J. W.

Sullivan.

Ogle, B. F.

Sycamore.

Irish, L. J.
Lawton, Perry.
Palmer, E. L.
Waite, Wm. W.

Taylorville.

Purnell, L. B.

Tennessee.

Burford, Caroline.

Tiskilwa.

Mills, Jno. R., Jr.

Toledo.

Yanaway, Flora.
Yanaway, A. H.

Toulon.

Conover, C. S.
Harrington, C. E.

Towanda.

Howard, Chas. L.

Tower Hill.

Shelton, J. H.

Trenton.

Meguire, Mary E.
Reagel, A. W.

TURNER JUNCTION.
Neltnor, J. C.

TUSCOLA.
Foster, R. J.

URBANA.
Hunt, C. A.
Knowlton, E. M.
Signor, Geo. J.
Sims, David M.
Sim, W. T.

VANDALIA.
Humphrey, F. C.
McKenzie, E. Y.
Monhart, Benj.

VERONA.
Bailey, N. H.

VICTORIA.
Youngs, Benj.

VIENNA.
Powell, Thos. B.

VILLA RIDGE.
Edson, Catharine H.

VIOLA.
Nawby, Harry.

VIRGINIA.
Reynolds, J. W.

WALNUT.
Burrell, Emily E.

WARREN.
Baldwin, L. A.
Kessler, L. E.

WASHINGTON.
Arnold, H. C.
Keil, A. J.

WATAGA.
Spaulding, S. F.

WATSEKA.
Frazier, Chas. M.

WAUKEGAN.
Bond, E. R.
Wright, E. J.

WAYNE CITY.
Jacobson, C. M.

WELDON.
Packard, W. H.

WEST PAW PAW.
Daniels, H. E.

WHEATON.
Hageman, L. B.

WILLIAMSVILLE.
Wolf, J. G.

WINCHESTER.
Frost, Chas. R.
Frost, J. W.
Frost, R. W.

WINNEBAGO.
Corl, J. O.
Mercer, Wm. A.

WOODSTOCK.
Schenck, M. H.

WRIGHT'S GROVE.
Smith, P. M.

WYOMING.
Emery, S. W.

XENIA.
Gauger, Mary J.

YATES.
Holt, J. D. C.
Rhea, Smith.

TOTAL, 762.

AN ACT

TO REGULATE THE PRACTICE OF PHARMACY

IN THE

STATE OF ILLINOIS.

- | | |
|--|---|
| <p>§ 1. Forbids compounding or sale of drugs, medicines or poisons, except by registered pharmacists.</p> <p>§ 2. Who shall register.</p> <p>§ 3. Who shall be graduates in pharmacy.</p> <p>§ 4. Who shall be licentiates in pharmacy.</p> <p>§ 5. Board of pharmacy—Governor to appoint—Illinois Pharmaceutical Association to nominate candidates for appointment as members.</p> <p>§ 6. Organization of board—Duties of members and officers—Examination of applicants for registry—Meetings—Quorum.</p> <p>§ 7. Requirements of persons claiming registry.</p> <p>§ 8. "Assistant pharmacists" to be registered—Fees.</p> <p>§ 9. Certificates for pharmacists, and fees for same.</p> | <p>§ 10. Annual fees—Certificates to be open for public inspection.</p> <p>§ 11. Duties of secretary of board, and salary—To be treasurer of the board—Bond—Disposition of funds.</p> <p>§ 12. Requires compliance with the provisions of this act within sixty days—Penalty for failure to comply—Exemptions.</p> <p>§ 13. Forbids adulteration of drugs—Penalty for same—Board of pharmacy may appoint analyst—Board to prosecute violations of provisions of this act.</p> <p>§ 14. All poisons to be labeled—Not to be sold to any persons under 15 years of age.</p> <p>§ 15. Prosecution of suits—Duty of State's Attorneys—Disposition of penalties collected.</p> |
|--|---|

In force July 1, 1881.

SECTION 1. *Be it enacted by the People of the State of Illinois, represented in the General Assembly,* That it shall not be lawful for any person, other than a registered pharmacist, to retail, compound or dispense drugs, medicines or poisons, or to open or conduct any pharmacy or store for retailing, compounding or dispensing drugs, medicines or poisons, unless such person shall be, or shall employ and place in charge of said pharmacy or store, a registered pharmacist, within the meaning of this act, except as hereinafter provided.

§ 2. Any person, in order to be registered within the meaning of this act, must be either a graduate in pharmacy, a graduate in medicine, or shall, at the time this act takes effect, be engaged in the business of a dispensing pharmacist on his own account, in the State of Illinois, in the preparation of physicians' prescriptions and in the vending and compounding of drugs, medicines and poisons, or shall be a licentiate in pharmacy.

§ 3. Graduates in pharmacy must be such persons as have had four years' practical experience in drug stores where the prescriptions of medical practitioners are compounded, and have obtained a satisfactory diploma or credentials of their attainments from a regularly incorporated college or school of pharmacy.

§ 4. Licentiates in pharmacy must be such persons as have had two years' practical experience in drug stores where the prescriptions of medical practitioners are compounded, and have passed a satisfactory examination before the State Board of Pharmacy, hereinafter mentioned. The said board may grant certificates of registration, without further examination, to the licentiates of such other boards of pharmacy as it may deem proper.

§ 5. The Governor, with the advice and consent of the Senate, shall appoint five persons from among such competent pharmacists

in the State as have had ten years' practical experience in the dispensing of physicians' prescriptions, who shall constitute the Board of Pharmacy. The persons so appointed shall hold their offices for five years: *Provided*, that the term of office of the five first appointed shall be so arranged that the term of one shall expire on the thirtieth day of December of each year; and the vacancies so created, as well as all vacancies otherwise occurring, shall be filled by the Governor, with the advice and consent of the Senate: *And, provided, also*, that appointments made when the Senate is not in session, may be confirmed at its next ensuing session. The Illinois Pharmaceutical Association shall annually report directly to the Governor, recommending the first year the names of at least ten persons, whom said association shall deem best qualified to serve as members of the Board of Pharmacy, and the names of at least three persons each year thereafter, to fill any vacancies which shall occur in said board.

§ 6. The said board shall, within thirty days after its appointment, meet and organize by the election of a president and secretary from its own members, who shall be elected for the term of one year, and shall perform the duties prescribed by the board. It shall be the duty of the board to examine all applications for registration submitted in proper form; to grant certificates of registration to such persons as may be entitled to the same under the provisions of this act; to cause the prosecution of all persons violating its provisions; to report annually to the Governor and to the Illinois Pharmaceutical Association upon the condition of pharmacy in the State, which said report shall also furnish a record of the proceedings of the said board for the year, and also the names of all pharmacists duly registered under this act. The board shall hold meetings for the examination of applicants for registration, and the transaction of such other business as shall pertain to its duties, at least once in three months: *Provided*, that said board shall hold meetings once in every year in the city of Chicago and in the city of Springfield, and it shall give thirty days' public notice of the time and place of such meetings; shall have power to make by-laws for the proper fulfillment of its duties under this act, and shall keep a book of registration, in which shall be entered the names and places of business of all persons registered under this act, which book shall also specify such facts as said persons shall claim to justify their registration. Three members of said board shall constitute a quorum.

§ 7. Every person claiming the right of registration under this act who shall, within three months after this act shall take effect, forward to the Board of Pharmacy satisfactory proof, supported by his affidavit, that he was engaged in the business of a dispensing pharmacist on his own account in this State at the time this act takes effect, as provided in section two, shall, upon the payment of the fee hereinafter mentioned, be granted a certificate of registration: *Provided*, that in case of failure or neglect to register as herein provided, then such person shall, in order to be registered, comply with the requirements provided for registration as a graduate in pharmacy or a licentiate in pharmacy within the meaning of this act.

§ 8. Any assistant or clerk in pharmacy, who shall not have the qualification of a registered pharmacist within the meaning of this act, not less than eighteen years of age, who, at the time this act takes effect, shall have been employed or engaged two years or more in drug stores where the prescriptions of medical practitioners are compounded, and shall furnish satisfactory evidence to that effect to the State Board of Pharmacy, shall, upon making application for registration, and upon the payment to the secretary of the said board of a fee of one dollar, within sixty days after this act takes effect, be entitled to a certificate as a "registered assistant," which said certificate shall entitle him to continue in such duties as clerk or assistant; but such certificate shall not entitle him to engage in business on his own account unless he shall have had at least five years' experience in pharmacy at the time of the passage of this act. Annually thereafter, during the time he shall continue in such duties, he shall pay to the said secretary a sum not exceeding fifty cents, for which he shall receive a renewal of his certificate.

§ 9. Every person applying for registration as a registered pharmacist, under section seven of this act, shall, before a certificate is granted, pay to the secretary of the board the sum of two dollars, and a like sum shall be paid to said secretary by graduates in pharmacy, [by] graduates of medicine, and by licentiates of other boards who shall apply for registration; and by every applicant for registration by examination shall be paid the sum of five dollars: *Provided*, that in case of the failure of any applicant to pass a satisfactory examination, his money shall be refunded.

§ 10. Every registered pharmacist who desires to continue the practice of his profession, shall annually thereafter, during the time he shall continue in such practice, on such date as the board of pharmacy may determine, pay to the secretary of the said board a registration fee, to be fixed by the board, but which shall in no case exceed two dollars, for which he shall receive a renewal of said registration. Every certificate of registration granted under this act shall be conspicuously exposed in the pharmacy to which it applies.

§ 11. The secretary of the board shall receive a salary, which shall be fixed by the board; he shall also receive his traveling and other expenses incurred in the performance of his official duties. The other members of the board shall receive the sum of five dollars for each day actually engaged in this service, and all legitimate and necessary expenses incurred in attending the meetings of said board. Said expenses shall be paid from the fees and penalties received by the board, under the provisions of this act, and no part of the salary or other expenses of the board shall be paid out of the State treasury. All moneys received in excess of said per diem allowance and other expenses above provided for, shall be held by the secretary as a special fund for meeting the expenses of said board, he giving such bonds as the board shall from time to time direct. The board shall, in its annual report to the Governor and to the Illinois Pharmaceutical Association, render an account of all moneys received and disbursed by them pursuant to this act.

§ 12. Any person not being, or having in his employ a registered pharmacist, within the meaning of this act, who shall, sixty days after this act takes effect, keep a pharmacy, or store for retailing or compounding medicines, or who shall take, use or exhibit the title of a registered pharmacist, shall, for each and every such offense, be liable to a penalty of fifty dollars. Any registered pharmacist who shall permit the compounding and dispensing of prescriptions, or the vending of drugs, medicines or poisons in his store or place of business, except under the supervision of a registered pharmacist, or except by a "registered assistant" pharmacist, or any pharmacist or "registered assistant" who, while continuing in business, shall fail or neglect to procure his annual registration, or any person who shall wilfully make any false representation to procure registration for himself or any other person, shall, for every such offense, be liable to a penalty of fifty dollars: *Provided*, that nothing in this act shall apply to nor in any manner interfere with the business of any physician, or prevent him from supplying to his patients such articles as may seem to him proper, nor with the making or vending of patent or proprietary medicines, or medicines placed in sealed packages, with the name of the contents and of the pharmacist or physician by whom prepared or compounded, nor with the sale of the usual domestic remedies by retail dealers, nor with the exclusively wholesale business of any dealers except as hereinafter provided: *And provided, further*, that no part of this section shall be so construed as to give the right to any physician to furnish any intoxicating liquor as a beverage, on prescription or otherwise.

§ 13. No person shall add to or remove from any drug, medicine, chemical or pharmaceutical preparation, any ingredient or material for the purpose of adulteration or substitution, or which shall deteriorate the quality, commercial value or medicinal effect, or which shall alter the nature or composition of such drug, medicine, chemical or pharmaceutical preparation, so that it will not correspond to the recognized tests of identity or purity. Any person who shall thus wilfully adulterate or alter, or cause to be adulterated or altered, or shall sell or offer for sale any such adulterated or altered drug, medicine, chemical or pharmaceutical preparation, or any person who shall substitute, or cause to be substituted, one material for another, with the intention to defraud or deceive the purchaser, shall be guilty of a misdemeanor, and be liable to prosecution under this act. If convicted, he shall be liable to all the costs of the action and all expenses incurred by the Board of Pharmacy in connection therewith, and for the first offense be liable to a fine of not less than fifty dollars nor more than one hundred dollars, and for each subsequent offense a fine of not less than seventy-five nor more than one hundred and fifty dollars. On complaint being entered, the Board of Pharmacy is hereby empowered to employ an analyst or chemist expert, whose duty it shall be to examine into the so-claimed adulteration, substitution or alteration, and report upon the result of his investigation; and if said report justify such action, the board shall duly cause the prosecution of the offender, as provided in this law.

§ 14. No person shall sell at retail any poisons commonly recognized as such, and especially aconite, arsenic, belladonna, biniodide of mercury, carbolic acid, chloral hydrate, chloroform, conium, corrosive sublimate, creosote, croton oil, cyanide of potassium, digitalis, hydrocyanic acid, laudanum, morphine, nux vomica, oil of bitter almonds, opium, oxalic acid, strychnine, sugar of lead, sulphate of zinc, white precipitate, red precipitate, without affixing to the box, bottle, vessel or package containing the same, and to the wrapper or cover thereof, a label bearing the name of the article, and the word "poison" distinctly shown, with the name and place of business of the seller; who shall not deliver any of said poisons to any person under the age of fifteen years, nor shall he deliver any of said poisons to any person, without satisfying himself that such poison is to be used for a legitimate purpose: *Provided*, that nothing herein contained shall apply to the dispensing of physicians' prescriptions of any of the poisons or articles aforesaid. Any person failing to comply with the requirements of this section shall be liable to a penalty of five dollars for each and every such offense.

§ 15. All suits for the recovery of the several penalties prescribed in this act, shall be prosecuted in the name of the "People of the State of Illinois," in any court having jurisdiction; and it shall be the duty of the State's Attorney of the county where such offense is committed, to prosecute all persons violating the provisions of this act, upon proper complaint being made. All penalties collected under the provisions of this act shall inure, one-half to the Board of Pharmacy, and the remainder to the school fund of the county in which the suit was prosecuted and judgment obtained.

APPROVED May 30, 1881.

FOURTH ANNUAL REPORT
OF THE
ILLINOIS
BOARD OF PHARMACY,
WITH
Abstract of State Pharmacy Register.

1885.

MEMBERS OF THE ILLINOIS BOARD OF PHARMACY.

GEORGE BUCK, Chicago.

JOHN E. ESPEY, Bloomington.

HERMAN SCHROEDER, Quincy.

ALBERT E. EBERT, Chicago.

CHAS. W. DAY, Springfield.

ILLINOIS BOARD OF PHARMACY,
OFFICE OF THE SECRETARY,

SPRINGFIELD, July 1, 1885.

To His Excellency, RICHARD J. OGLESBY, Governor:

SIR—I have the honor to submit to you, and the Illinois Pharmaceutical Association, the Fourth Annual Report of the Illinois Board of Pharmacy.

Very respectfully,

CHAS. W. DAY,
Secretary of the Illinois Board of Pharmacy.

REPORT OF THE BOARD.

THE ILLINOIS BOARD OF PHARMACY presents its Fourth Annual Report feeling that the object and value of pharmaceutical legislation are better understood among the people, that the condition of pharmacy is constantly advancing, and that the existing law has had a tendency to improve the status of the members of this profession. In the College of Pharmacy at Chicago, the number of students for each year since and including 1880, (the year prior to enactment of the present pharmacy law) have been as follows:

1880.....	85
1881.....	94
1882.....	113
1883.....	161
1884.....	190
1885.....	218

Here we see a decided benefit from the operation of our law. The sale of pharmaceutical literature has very largely increased. Pharmacies are being more elaborately fitted each year. The type of apothecary whom Romeo knew has become extinct, and we find almost without exception the pharmacists of a town are intelligent and respected. It affords the members of the Board much pleasure to observe the marked advancement in the knowledge of pharmacy throughout this and adjoining States. While the sale of drugs or the keeping of a pharmacy was formerly looked upon almost exclusively as a mercantile enterprise, we now find nearly every pharmacist taking one or more pharmaceutical journals and many of them members of pharmaceutical or scientific organizations or associations, and devoting such of their time as can be spared to the study of scientific questions and the mastery of pharmaceutical problems. The bare agitation of a subject usually increases interest in, and thought concerning it. The agitation of the subject of pharmacy and the prominence given to it by legislation, together with the steps taken by the Board to enforce the provisions of the law, have directed the attention of many who were engaged in the business as a mercantile venture to the fact that the compounding, preparing and administering of medicines are founded upon scientific principles, and that there are certain fixed chemical and medicinal properties belonging to all drugs which should be known and observed by the dispenser; and have created and nurtured a zeal to become full masters of all principles and properties pertaining to the articles dispensed. It is well known that people are

prone to fall into a routine method of labor and to accept or adopt anything that seems to produce mechanical results. A constant agitation of the subject of their labors inspires new ambition, and the desire not to be outdone leads to greater care, increased study and watchfulness, and a high proficiency which otherwise would not have been reached. The Board are happy to state that they have been well supported by the pharmacists generally in their efforts to make the law effective, and take this opportunity to extend thanks for all such aid as has been rendered.

The Board are greatly annoyed and compelled to do much work in examining persons who have no well defined knowledge of the drug business, but continue to appear for examination because it costs them nothing. The Board recommend to all unsuccessful applicants that they do not again appear for examination until they have had at least twelve months additional careful study.

There is a vast deal of the time of the members of the Board, especially in large cities, occupied and their business suffers largely by many interruptions, answering letters, attending personal calls, etc., etc., entailing loss of time for which no compensation is received, as it can not be readily computed and properly charged for as "days actually engaged."

Each member should receive a salary commensurate with the labor performed.

Druggists are banding together in every State of our Union for the cultivation and advancement of the science of pharmacy, and this augurs well for the future of our profession and the people. Increase of social associations induces interchange of thought and original ideas, bringing about the discovery and application of new and approved remedies for the alleviation of human suffering. In the Pharmaceutical Association of our own State nearly one-third of the whole number of druggists are members. All should be, for where there is such a community of interests there should be concert of action. The association—the "elbow touch," as it is known among soldiers—of men interested in a common cause, inspires confidence and an appreciation of responsibility. If every druggist in Illinois were a member of this association the individual necessities would be better understood and presented for incorporation in amendments to the existing law. Information could, and would, be furnished all, by an interchange of popular formulæ or recipes for elixirs, emulsions and various compounds and preparations that, owing to lack of familiarity with the characteristics of the ingredients or the mode of preparation, must be purchased from manufacturers.

An association having a membership of three or four thousand good citizens would have a very salutary influence in the event of ambitious statesmen endeavoring to enact unfriendly legislation—such as demanding a license of \$500 from pharmacists, which was attempted at the last session of the Legislature.

In fine, these associations unite the pharmacists of a State for mutual aid, encouragement and improvement, stimulate scientific research, develop pharmaceutical talent, elevate the standard of professional thought, and ultimately will result in the restriction of pharmacy to properly qualified druggists and apothecaries.

With such organizations there would be no "scalping" or cutting of prices. This practice is a vicious one, and, as a rule, is a sure forerunner of discreditable practices. Some years since a customer stated that quinine could be procured from a neighboring dealer at less than the ordinary price asked for the article. Upon examination of a sample purchased from the cheap neighbor, there was found a generous admixture of cinchonidia—a much cheaper alkaloid.

A bottle of a popular cough mixture was purchased some time ago from a "cheap druggist" for twenty-five cents below the regular price and sent to the manufacturers for examination. They claimed the bottle had been emptied of its original contents and refilled with a substitute by some one unknown to them.

Recent investigation of the quinine sold in New York City showed this business of substitution to be carried on to an alarming extent, and prosecution of offending parties followed.

The consideration of this subject brings to mind the popular fallacy that a druggist is insured a profit of 200 to 300 per centum on all sales. This is not the case. It is a noticeable fact, and can readily be verified by any one interested, that, as a rule, the druggists of a town are the least wealthy of any class of merchants having been engaged in business for a like period. As compared with the remuneration of men in other branches of trade, the accumulation of money by a druggist is not commensurate with the amount of labor, skill and capital employed to keep and conduct a pharmacy acceptable to the public. This being true, the motive of a man anxious to distinguish himself as a "cheap druggist" may well be questioned. If people will patronize this class of dealers, they should at least familiarize themselves with easy methods of testing the purity of articles in common use. If this were done, a very speedy and practical demonstration would follow of the impossibility of money-making in the drug business on cut prices, where goods true to name are furnished.

There can be no objection to a dealer asking a fair remuneration for his goods and the skill necessary to properly dispense them; and persons living in the vicinity of a conscientious druggist should permit him to feel that they appreciate, and endorse, his efforts for a fair return on the investments made and care exercised for their, as well as his own, benefit; and that they discountenance the man who attempts to increase his income by questionable and dishonest means.

The druggist is before the people in a dual capacity, and the laws enacted by the different States regulating the practice of pharmacy—besides protecting the public from the impositions of ignorant and incompetent druggists—are throwing around the science of pharmacy the protection necessary to the professional feature of the business. Fully one-half the States have enacted pharmacy laws, and in the others the druggists are persistently urging the legislatures to rid them of incompetents and charlatans. As each State secures a pharmacy law, there takes place a hegira or exodus of a class of hangers-on to this profession, who instinctively turn from an enactment of this nature with a feeling and grimace that may be likened unto a child's greeting of a second dose of oil of worm-

seed. And as these people have from the lessening of congenial territory been thrown closer together, their existence has become more noticeable, and they are recognized as a distinct class or *genus*—they are known as “pharmaceutical tramps.” A member of the Minnesota Board of Pharmacy recently remarked: “When Iowa enacted a pharmacy law, these pharmaceutical tramps began coming into our State. Illinois wheeled into line, and we got another dose; Wisconsin next, and still they came. But all praise to our Legislature, they lifted us out of the mire the past winter, by giving us an enactment of similar import.”

These enactments commend themselves to the public in many ways. Any individual having at heart beneficent laws, must feel sensible of the protection vouchsafed in a law that says practically, all medicines that are compounded at the neighborhood drug store for his family, shall be compounded under the immediate personal supervision or inspection of a pharmacist skilled in his profession—a man who has carefully studied the art of combining and properly dealing out medicines, and proven his qualifications before a Commission of Examiners, acting under the authority of the commonwealth. The necessity for pharmacy legislation, as a protection to the public, where none has been had, is not always readily realized, for the reason that many accidents, and fatal ones, may have occurred through the careless handling of drugs and medicines, and the actor never detected. For instance, a purchase of some family medicine, such as paregoric or syrup of rhubarb, may be made. If the dispenser be ignorant and have no knowledge beyond the label on the dispensing bottle, there can be no guarantee that the article called for is received! for the purchaser, as a rule is not supposed to know anything of the nature, quality or appearance of preparations used as medicines. This feature of detecting a drug or its preparations without the aid of label or distinguishing mark, has impressed itself upon the Board of Pharmacy of this State as a matter of great importance, and has been incorporated in their examinations. Only a short time ago an incompetent person was permitted to dispense in a drug store in a neighboring city. A dose of Rochelle salt was called for, and the dispenser, supposing from the label on the bottle that he had the correct article, handed the customer a package of the contents; this was taken home and swallowed by the purchaser. It proved to be an irritant poison, and in a few hours the man ceased to breathe.

The interests, therefore, of the members of the family afflicted with disease demand that pharmacists shall be competent and skillful, and that men who do not possess the necessary qualifications be restrained by law from imposing upon the people. The enactment of laws that bring about a higher educational standard has a financial benefit, because in proportion as a people increase in knowledge they increase in wealth. This is an important item and should not be lost sight of. The person most interested in the maintenance of pharmacy laws, however, is the pharmacist himself. “They accord to his profession legal standing, honor it with distinctive recognition among the learned sciences, purify it by rejecting elements which otherwise would tend to degrade and disgrace, elevate it to a rank of dignity, strengthen it with possibilities for

the more rapid development of its literature, the growth of its educational institutions and for substantial advancement in efficiency. While accomplishing these results, these laws also confer direct business advantages by restricting the number of druggists, reducing the competition, and thus dividing the trade into fewer parts and assuring to each more adequate remuneration."

Pharmacists should be more careful in taking apprentices. It is too often the case that proprietors of pharmacies will admit boys to learn the business who do not possess a good common school education. In many cases young men have appeared before the Board for examination, having had an experience of several years in the drug business, who could not write legibly, and with a very limited knowledge of orthography. The preceptor should keep up with the progress of the times, and to this end ought to be a liberal subscriber to periodicals on Pharmacy and Chemistry, and exhibit such an interest in his apprentices as will encourage them to study. After furnishing proper facilities for acquiring useful information, employers should see to it, that apprentices do study. No idle time ought to be allowed in the store. While it is true that boys and men, lacking the elements or advantages of early education, have risen to eminence and distinction, it is not safe to advise the neglect of advantages offered in our excellent public school system. The chances are that the man who attempts a profession without preliminary schooling, will fail, or at least, never rise above mediocrity. The unlettered men who have attained high position have reached the goal only by the performance of labor to which comparatively few are equal. A young man, in deciding to become a pharmacist, should by all means include in that decision graduation at a high school. There is perhaps in no profession so flattering a prospect for success in life as in pharmacy, if only a correct start is made, followed by properly directed effort, and application. More rapid strides have been made in this profession in the last decade than in any other of which we have knowledge, and the coming one gives promise of still greater possibilities. The facilities for improvement in practical pharmacy daily increase.

Our literature is being constantly enriched by the many brilliant minds that find their life work behind the prescription case, in the pharmaceutical laboratory, or among the plants possessing healing properties indigenous to our own land.

Young men should bear in mind that at the present time the demand for pharmaceutical graduates having thorough laboratory training is much greater than the supply. We have Colleges of Pharmacy in very many States, where the student who has had a prescribed experience as an apprentice in a drug store can have the benefit of lectures delivered by skilled pharmacists and his energies properly directed in the higher branches of this profession. Instruction in pharmacy and pharmaceutical Chemistry is imparted in some of the Universities of the country. The Board of Pharmacy advise first a good common school education, next an apprenticeship of *at least* four years under a competent preceptor, who will see that his apprentice is in possession of good text books and will take pains to direct correct and economical use of them; and

finally an attendance of two *annual* courses of lectures at a college or school of pharmacy that is universally recognized among pharmacists as of the highest order of merit.

There are perhaps cases where bright boys are hampered by financial or other considerations so that they are unable to attend the sessions of a college. To this class is recommended the course of lectures furnished by mail from the National Institute of Pharmacy of Chicago.

There are at the present time more than thirty State Pharmaceutical Associations. An exchange of reports is earnestly requested to the end that these publications may be made more interesting. By such interchange the superior features of all the various organizations may be selected and appropriated to the benefit of each association and its members.

It is to be regretted that some Colleges of Pharmacy, in anxiety to increase their popularity or to enrich themselves financially, have become somewhat lax in their requirements for graduation. Believing it their duty to protect the people of this State from commercial diplomas, this Board has very carefully investigated this matter, and hoping that good results might be obtained through the colleges themselves, addressed the following open letter to the "Conference of Teaching Colleges of Pharmacy of the United States," which conference is made up of delegates from each regular College of Pharmacy in this country:

SPRINGFIELD, ILL., March 14, 1885.

To the Conference of Teaching Colleges of Pharmacy:

It is understood by Pharmacists, and the proposition is accepted throughout the United States without question, that an apprentice should present satisfactory evidence of having been employed in a retail drug store or pharmacy at least four years, and have attained legal manhood, in addition to attending lectures and passing prescribed examinations, before he may be entitled to a diploma or its equivalent from any reputable College of Pharmacy. The necessity of this experience has been recognized by your honorable body, and among the pledges necessary for a college to secure membership in your organization is that four years' practical experience in a drug store will be required as a basis for graduation.

This Board has received applications of late for registration from persons claiming to be graduates in pharmacy, and who present as credentials what are termed "Certificates of Graduation" or "Minor Certificates" issued by Colleges of Pharmacy holding membership in your organization; inquiry developing the fact that the holder at the time of final examination was lacking in age or experience, and that these certificates were to be held until the age or experience is had, when a diploma will issue. In one case the applicant was nineteen years of age! In another case from same college the applicant had an experience of about fifteen months, in a town of about three thousand inhabitants, at the time of passing final examination!

The Dean of the College referred to, in a conversation with the undersigned, claimed that every American college is doing this same thing, and seemed to think the writer's protest unwarranted.

Another applicant for registration as a graduate in pharmacy (from the same college) was in possession of the *diploma* of the institution, yet declined to make affidavit that he had been engaged four years in the drug business, notwithstanding the fact that his application was dated a year later than the diploma.

From another college come applications from applicants under twenty-one years of age. The refusal of this Board to recognize such an one as a graduate in pharmacy within the meaning of the Illinois law, elicits from the Recording Secretary of the College referred to the following:

CHAS. W. DAX, Esq., *Secretary State Board of Pharmacy of Illinois, Chicago, Ill.*

DEAR SIR: In accordance with instructions from the Board of Directors of the ——— College of Pharmacy, I write to inform you that Mr. ———, Esq., of your city, is a graduate of this College, Class 1883-4, and entitled to the diploma on attaining his majority. He holds the minor certificate of the College to that effect, and yet states that your Board refuse it recognition and will not register him. If, according to the rules of your Board, applicants for registration holding diplomas from regular Col-

leges of Pharmacy are entitled to registration without examination, we cannot understand *why* you refuse to recognize the aforesaid minor certificate, which is in effect equivalent to the diploma, so far as the holder's qualifications are concerned. Awaiting further information from you,

I am very truly yours,

— — — — —, *Rec. Secretary C. of Ph.*

Now it should be fairly presumed, that in becoming eligible to and successfully passing the final examination, the full requirements of a college as a matter of fact have been complied with. The presentation of a diploma, certificate or other credential should be the evidence of such compliance. There can be no question but that whatever experience or age is held to be necessary to make the applicant eligible to graduation, should be had prior to final examination.

The Illinois Board of Pharmacy, in exercise of sound judgment and having at heart the best interests of pharmacy, will decline to grant registration to the holders of such certificates without examination, and if, after a reasonable time, the practice of issuing such certificates is not abandoned, this Board will decline to accept as "satisfactory" the diploma of any college following the practice.

By order Illinois Board of Pharmacy.

CHAS. W. DAY, *Secretary.*

The publication of this letter called out wide spread discussion of the subject involved. Some of the pharmaceutical journals have "hedged," but all have admitted that the evil exists, and most of them have indorsed and commended the action of the Illinois Board of Pharmacy for taking the initiative in suppressing the wrong; this is more significant from the fact that some of these journals are the organs of the College of Pharmacy in the city where published. It is therefore hoped a better order of things will be inaugurated.

Complaint having been made to the Board that there was a difference in strength of important preparations, an investigation was begun by the committee on adulterations the past winter under the direction of a competent chemist. Fifty or more samples were purchased from druggists, of tinctures and other pharmaceutical preparations, and examined. It is gratifying to observe that no great difference existed between these samples and the standard laid down by the United States Pharmacopœia, but in view of the frequency of life or death being at stake, in the use of medicines at the bedside of the sick, the Board of Pharmacy are constrained to urge upon pharmacists the propriety of not only using great care and nicety in the manufacture of such articles as they may prepare for dispensing, but that such as are purchased from the larger factors be submitted to proper tests for purity and strength before they are allowed a place in the dispensing case.

The Board also finds the efficiency of the law very much impaired because of a provision in it whose full force was most likely not duly appreciated by those favoring the passage of the law at the time of its enactment. To the ordinary non-professional person, the proposition that "a person who is competent to prescribe medicine knows enough to dispense it," seems exceedingly plausible and indeed indisputable—a truism. This may, possibly, be a correct proposition, but it does not follow that a graduate of medicine must necessarily be a pharmacist, nor is the fact that a person is a graduate of a college of medicine even presumptive evidence that he is a competent pharmacist or has indeed received any education in the science of pharmacy. The course of study, the practical experience and qualifications requisite for graduation in a college of pharmacy and a college of medicine, are radically different, but this difference seems to have been lost sight of in the passage of the act to regulate the practice of pharmacy. Graduates in medicine are given an

equal or rather a superior standing to graduates in pharmacy. They are permitted to register by showing that they are graduates merely, while graduates in pharmacy are required to prove four years' experience in a drug store, before they are granted registration. The great majority of graduates in medicine are without experience, and totally unfit to take the management of a retail drug store, and yet the fact stares us in the face that under the provisions of the act they are daily becoming registered, clothing themselves with full legal authority to conduct a pharmacy, and in many instances making themselves a mere tool or cloak to enable some incompetent novice in the drug trade to carry on a store and dispense drugs without falling into the meshes of the law, which would otherwise dissuade him from the business by infliction of the severe penalties provided for its violation. Violations of this character are quite too common, and the Board are hopeful that in the coming year more attention will be paid to this class of violators, and that the full penalties of the law will be imposed upon both registered and unregistered persons, who, by conspiring together, aid and connive at the evasion and violation of the law.

There is no more reason that graduates in medicine should be registered as pharmacists, than there is that graduates in pharmacy should be registered and licensed as physicians. The remedy for this is to have the law so amended that no person except graduates in pharmacy and licentiates shall be registered, or what is better still, that no one shall be registered until having passed a satisfactory examination before the Board, thus extinguishing all college distinctions. This would make obtaining an education the object in attending college, and proficiency, the good striven for. Diplomas (so-called) would cease to be mere receipts for so much money paid, but would be reliable certificates of acquirements.

The Board of Pharmacy have determined this year to publish a sufficient number of copies of their Annual Report to furnish one to each and every Registered Pharmacist and Registered Assistant Pharmacist in the State; and inasmuch as this will require two thousand more copies than have heretofore been published, the Report thus finding its way into the hands of hundreds who have not heretofore seen a Report, and for the further reason that the term of the member of the Board who has served as Secretary and Treasurer expires with this year, it has been thought best to furnish a comprehensive statement of the entire receipts and expenditures of the Board of Pharmacy since the present incumbent assumed the duties of Secretary and Treasurer.

The amounts received as compared with statements in previous Reports may seem to conflict; this is accounted for in the fact that heretofore all moneys received during the year under consideration have been shown, whether to be applied to the account of that year or another. In the accompanying statement this plan has been changed and now is indicated the terms to which they are to be applied; for instance, a pharmacist may pay his fee two years in advance, or, he may be delinquent, but, before the Report goes to press, pay the amount; of course his name should appear in the published Report and the amount be shown for that year, yet it could not be so shown in the ledger.

The Board has held during the year seven meetings, four at Chicago and three at Springfield.

Total number of applicants examined, 210, of which number 87 were successful.

Total number of persons registered for term ending June 30, 1885:

Registered Pharmacists.....	3,110
Registered Assistant Pharmacists	670

Of these numbers Chicago furnished:

Registered Pharmacists.....	656
Registered Assistant Pharmacists	1-3

During the year ending June 30, 1885, 343 original registrations were granted. Of this number 167 were Graduates in Medicine, 89 Graduates in Pharmacy, and 87 Licentiates in Pharmacy.

The questions appended to this Report are such as are submitted at each examination—two hours are allowed and written answers required to each set of questions.

Too much praise cannot be given to persons who demonstrate their fitness for the pharmaceutical profession by passing the State examination. The Board of Pharmacy take pride in publishing the following list of successful applicants for registration by examination. These Licentiates of Illinois are confidently presented to the public as persons of more than usual ability in the compounding and dispensing of drugs and medicines, and the Board believe them to be fully competent to discharge all the duties that may devolve upon them as Apothecaries:

LICENTIATES IN PHARMACY.

SEPTEMBER 6, 1881.		
Hanmore, Jas. B	Harrisburg	
Magee, Henry	Alto Pass	Deceased June 5, 1885
Kirchgasser, Wm. O.	Chicago	
Wells, Jos. E	"	
Wernicke, Oscar G	"	
Wittman, G. A.	Pana.	
OCTOBER 12, 1881.		
Bishop, A. S	Chicago	
Oulver, Anson A	Monmence	
Day, Chas. W.	Allendale	
Davis, Harry G.	Chicago	
Eaton, John M.	"	Out of business
Holder, Chas. V	Bloomington	
Kittell, D. H	Lee	
Killheffer, Jos. F.	Joliet	
McDougall, Nath.	Streator	
Prince, John W.	Princeton	
Scheddell, Wm. A.	Warren	
Vierkoetter, Chas.	Maitoon	
Warner, W. O.	Clinton	Left the State

Licentiates in Pharmacy—Continued.

JANUARY 12, 1882.		
Adams, Jos. R.	Plainfield	
Butler, Geo. F.	Chicago	Cannot be found.
Bussard, Francis M.	Newton	
Clymer, Keever	Seneca	
Coltzu, Otto	Chicago	
Ellingwood, Finley	Manteno	Removed
Elder, Edgar B.	Streator	
Fechter, A. E.	Chicago	
Flesher, L. G.	Lexington	Removed to Nebraska
French, Geo. G.	DuQuoin	
Green, Hamer H.	Bloomington	
Hocking, Wm. J.	Chicago	Out of business
Hubachek, Jos. H.	"	
Kamps, J. H.	Quincy	Removed from State
Kimlin, Thos.	Campus	
Littell, John V.	Chicago	
Macdonald, Benj.	Manteno	Prac. Med. at Kankakee
Merrick, Geo. C.	Chicago	
Murrey, Nelson W.	Chicago	
Nicalse, Gustave	Peoria	
Novak, Frank J.	Chicago	Out of business
Obermann, Adolph	"	
Pfaunstiell, Chas. F.	Watseka	Left the State
Pulliam, L. B.	LaFayette	
Sprague, Loyal T.	Macomb	
Stinson, Wm.	"	
Totten, Albert H.	Warren	Out of business
Trienens, Jos.	Chicago	
VanSchaack, C. P.	"	
Wilson, Oscar L.	Janesville	
Zimmermann, Ernest	Morton	
APRIL 14, 1882.		
Ayars, Harry E.	Lincoln	Removed from State
Breves, Chas.	Chicago	
Coffinberry, Samuel	Peoria	
Cowen, H. S.	Springfield	[known]
Dargatz, G. Emil	E. St. Louis	Removed—address not
Duffin, Willard D.	Mt. Carroll	
Fricke, G. H.	Park Ridge	
Gove, David A.	Farmington	
Grace, Jo-hua H.	Mound City	
Grotefend, A. H. F.	Chicago	
Grenslet, Eugene D.	Sparta	
Grumann, Bernard	Chicago	
Hamilton, Jay W.	Whitehall	
Keen, Isaac N.	Fairfield	
Klinkoestroem, Emil	Chicago	
Martin, Geo. P.	"	
McNair, Jas. M.	Rockford	
Moore, John P.	Bloomington	
Mueller, Otto G.	Chicago	
Parrett, Samuel	Sullivan	
Rost, Louis W.	Macomb	
Sprague, Otto N.	Springfield	
Stevenson, Wm. F.	Gifford	
Taylor, E. M.	De Witt	Out of business
Watters, Otis M.	Mt. Vernon	
JULY 1, 1882.		
Armbrecht, Wm.	Chicago	
Brands, A. L.	Prairie du Rocher	
Bross, Louis H.	Caro.	
Briggs, Samuel E.	Taylorville	Out of business
Day, Ellis L.	Clinton	
Graham, John J.	Creal Springs	
Harris, D. W.	Carrier Mills	

Licentiates in Pharmacy—Continued.

Mulheim, Robt.	Okawville	Deceased.
Nay, Albert	Henry	Removed from State
Paris, Wm. J. J.	Karbers Ridge	
Smith, B. C.	St. Elmo	Deceased.
Spencer L. H.	Grand Tower	
Vadakin, Jas. H.	Bethany	
White, Daniel W.	Elizabethtown	Removed from State
Wood, Asa C.	Marengo	Out of business.
JULY 22, 1882.		
Harrison, H. B.	Sheridan	
Lane, M. B.	Hamilton	
Miller, Geo. W.	Chicago	
McLean, Wm. T.	Warrensburg	Out of business
Newhall, Daniel	Chicago	
SEPTEMBER 20, 1882.		
Glass, O. A.	Carlinville	
Hemphill, C. C.	Saunemin	Deceased.
Hydren, Carl	Rock Island	
Klein, Frederick	Chicago	
Northam, C. H.	Camp Point	
Reeve, J. E.	Carrollton	Out of business
Strack, Carl	LaSalle	
OCTOBER 16, 1882.		
Bales, Charles W.	Springfield	
Bach, August	Chicago	
Benkma, Cornelius	Pontiac	
Braun, Peter M.	Polo	
Burkett, Chas. H.	Evanston	
Clarke, C. F.	Chicago	
Gubler, Frank J.	Lebanon	
Hall, Alden T.	Chicago	
Kennedy, Wm.	Leland	
Knight, A. P.	Chicago	
Lange, Ignatz	"	
LeBrett, E. W.	"	
McCaughy, Thos. E.	"	
Marshall, L. K.	Hoopeston	
Monroe, W. H.	Chicago	
Moelmann, E. O.	"	Out of business
Mueller, H.	"	
Otto, Edward	"	
Pehlgard, A. F.	"	
Reichel, A. E.	"	
Starr, A. O.	"	
Butcliffe, Chas.	"	
Synon, W. A.	"	
Tucker, Geo. W.	"	
DECEMBER 5, 1882.		
Macy, E. B.	Chicago	
Maerklin, G.	"	
Taylor, John A.	Gridley	Out of business
DECEMBER 9, 1882.		
Feeny, Sister Mary I.	Chicago	
JANUARY 12, 1883.		
Anthony, Geo. A.	Kewanee	
Barnum, Chas. E.	Onarga	
Boeckler, C.	Lemont	
Brandes, Edward	Chicago	
Cowan, A. N.	"	
Downing, Wm. H.	Aurora	
Findlay, Robert	Chicago	
Gardner, Henry D.	"	Removed from State

Licentiates in Pharmacy—Continued

Goodell, Jesse M.	Chicago	
Heinemann, Paul L. G.	..	
Hittler, John	..	
Hunt, Horace B.	Polo	
Jentzsch, Richard	Chicago	
Kirby, Eugene C.	..	Removed from State
Krzeminski, C.	..	
Moore, Wm. M.	..	
Porter, Chas. H.	Pullman	Out of business
Reche, Henry C.	Chicago	Deceased
Rimpert, Geo. S.	Peoria	
Roslone, P. O.	Chicago	
Shaefer, Ernst R.	..	
Sulzberger, Theo. L.	..	
Trowbridge, Chas. H.	..	
Veazle, Alpheus	Bloomington	
Webster, C. A.	Canton	
APRIL 12, 1883.		
Alverson, E. M.	Stonington	
Bunsen, Robt. P.	Belleville	
Burridge, E. H.	Erie	Removed from State
Carter, Henry W.	Chicago	
Calto, Wm. M.	Warrensburg	
Gufron, Chas. F.	Bloomington	
King, A. W.	Lake Forest	
King, S.	Ohlman	Out of business
Kuhike, Henry G.	Chicago	
Leutscher, R.	..	Removed from State
Lion, John H.	..	
Loar, A. D.	Bloomington	
McClelland, Silas E.	Beason	
Mills, Geo. P.	Chicago	
Paul, Jas. M.	Knoxville	
Randolph, Benj. F.	Bloomington	
Richardson, H. W.	Iena	
Rowcliff, Jas. F.	Peoria	
Sheele, Adolph J.	Chicago	
Sievermann, Benj.	..	
Stiles, John S.	..	
Van Liew, Wm. K.	Batavia	
Waxham, Chas.	Chicago	
Wiese, Chas. H.	..	
Young, Wallace	Hazel Dell	
JULY 14, 1883.		
Baker, Geo. R.	South Evanston	
Bischoff, H. A.	Chicago	
Cammann, John F.	Roseville	Removed from State
Collins, Albert	Chicago	
Galloway, D. Henry	..	
Heller, Ludwig	..	
Hendrie, Geo. I.	..	
Kennedy, Craig O.	..	
Lundstrom, E. M.	..	
Lamb, Delmore D.	Cambridge	
Mason, Ernest L.	Lake View	
Myers, Homer L.	Chicago	
McCormick, Chas. E.	..	
Noll, Chas. F.	..	
Packard, James W.	Rockton	
Perkins, John S.	Chicago	
Rook, Theo.	..	
Stamm, Dante M.	Geneseo	
Steffens, Otto H.	Chicago	
Smith, Jas. A.	Braidwood	
Tobler, Chas. J.	Chicago	
Vradenburg, Harry L.	Rochelle	
Vavra, Vojtech	Chicago	
Weston, Geo.	..	
Welsbruch, Henry J.	Peoria	
Whitfield, Byron	Quincy	

Licentiates in Pharmacy—Continued.

OCTOBER 13, 1883.		
Armstrong, Ellis W.....	Decatur.....	
Alexander, Chas. W.....	Jacksonville.....	
Atwell, Francis C.....	Collinsville.....	
Brown, Everett J.....	Decatur.....	
Hughes, Edward B.....	Ipava.....	
Nungesser, John H.....	Danville.....	
Nowotny, John I.....	Hodges Park.....	
Sikkema, Herman H.....	Freeport.....	
White, Chas. H.....	Bloomington.....	
JANUARY 12, 1884.		
Armstrong, F. W.....	Chicago.....	
Baker, Harvey C.....	".....	
Barnard, Geo. L.....	Vandalla.....	
Burkholder, Jacob.....	Chicago.....	
Burton, Thos. B.....	Rockford.....	
Carson, J. Howard.....	Brimfield.....	
Drewry, Edward.....	Oak Park.....	
Donaldson, H. E.....	Polo.....	
Felmley, John S.....	Danville.....	
Fisher, Walter E.....	Chicago.....	
Freese, Chas. F.....	".....	
Freisheimer, Geo.....	".....	
Gallison, Frank E.....	".....	
Grimm, Henry P.....	Aurora.....	
Ho-kins, Chas. B.....	Chicago.....	
Hutter, Robt.....	".....	
Kinsey, Carroll B.....	Moline.....	
McGinnis, D. L.....	New Berlin.....	
Marash, Frank.....	Chicago.....	
Mason, Wm. T.....	".....	
Merriwether, A. P.....	Alton.....	
Miller, Chas.....	Chicago.....	
Nunn, Geo. I.....	Macomb.....	
Parry, Henry I.....	Chicago.....	
Porter, Edward K.....	Carbondale.....	
Rogers, Arthur W.....	Chicago.....	
Rotenhagen, A. G.....	East St. Louis.....	
Seville, A. S.....	Chicago.....	
Schaefer, Geo.....	Belleville.....	
Schroeder, E. A.....	Chicago.....	
Taylor, Fred. M.....	Ravenswood.....	
Wyckoff, Elmer E.....	Monmouth.....	Removed to Iowa.....
APRIL 12, 1884.		
Bargh, Edwin C.....	Kinmundy.....	
Briggs, C. M.....	Hoopeston.....	
Beck, Charles.....	Kewanee.....	
Baer, A. W.....	Chicago.....	
Brown, Henry B.....	".....	
Bauman, Geo. E.....	".....	
Day, Elmer E.....	Sheridan.....	
Earle, Clarence.....	Chicago.....	Out of business.....
Enslee, Chas. L.....	Morris.....	
Estaman, John W. M.....	East St. Louis.....	
Forbrich, Jos. F.....	Chicago.....	
Garver, John W.....	Farmer City.....	
Godfrey, John M.....	Chicago.....	
Hartwig, Otto J.....	".....	Out of business.....
Hays, John S.....	Macomb.....	
Hellestern, Wm.....	Chicago.....	
Holtzoefer, H. J.....	".....	
Judy, Chas. F.....	Lawrenceville.....	
Kann, Frank P.....	Chicago.....	
Kirk, Samuel C.....	".....	
Kuenster, Emilie.....	Waterloo.....	
Lohman, Nicholas.....	Chicago.....	
Lynch, John.....	".....	
Morse, Jas. W.....	".....	
Pittman, Wm.....	Taylorville.....	

Licentiates in Pharmacy—Continued.

Porter, Frank L	Chicago	
Rogers, Sherman P	"	
Ross, Chas. S	"	
Riess, Chas. E	Rock Island	
Riedel, Alfred J	Peru	
Shean, John B	Chicago	
Sexauer, Samuel C	Braceville	
Stuart, Mack R	Chicago	
Small, John M	"	
Shumpik, Edward	"	
Stallings, John	Sidell	
Shinkle, F. L	Martinsville	
Smith, L. S	Evanston	
Tyrrell, Frank M	Sheridan	
Waiss, Fred. G	Chicago	
Wilson, Thos. T	Rochelle	
Woltersdorf, Emil H	Chicago	
JULY 2, 1884.		
Burns, J. Harry	Collinsville	
Bourscheidt, Peter J	Peoria	
Coomes, Ammon	Paxton	
Dean, George R	Red Bud	
Hoover, Edward S	Springfield	
Heimbeck, August	Rock Island	
Kavanaugh, T. J	Peoria	
Lawtenslager, A. W	Lee	
McClelland, Clarence B	Decatur	
Meisenbach, Julius C	Mendota	
Michels, John B	Carlyle	
Rose, Harry J. R	Millstadt	
Schmitt, Frank	Chicago	
Stein, Henry	"	
Thode, Hans M. O	Arcola	
AUGUST 21, 1884.		
Duncan, Cornelius	Chicago	
Pulford, Bothwell	Savanna	
Rice, John F	Marengo	Removed from State
Rometch, Fred A	Chicago	
OCTOBER 16, 1884.		
Dessau, Wm. F	Chicago	
Falkenberg, F. E. J	"	
Fulton, A. W	"	
Grenslet, H. W	Sparta	
Griesbach, Arthur	Chicago	
Kennelly, Frank C	Joliet	
Lewke, Otto W	Chicago	
Madden, Albert	Newton	
Powell, James A	Chicago	
Pels, Emil E	"	
Palmer, Almon D	"	
Pierce, Fred D	Polo	
Richter, Max	Chicago	
Wagner, Charles B	"	
Woodard, Willis P	Rockford	
Witt, Richard F	Rock Island	
Weaver, J. Frank	Chicago	
JANUARY 16, 1885.		
Ackermann, Albert	Chicago	
Beckworth, Otto Q	Wenona	
Carter, Theron H	Arcola	
Hoy, Edward M	Decatur	
Kirkpatrick, D. E	Camp Point	
Leyser, Jacob B	Chicago	
Mackay, John W	"	
McCoy, Homer W	Peoria	
Overman, Urban	"	
Steinmeyer, Wm. O	Carlinville	

Licentiates in Pharmacy—Continued.

Schaecher, A. B.	Chicago
Schaller, Henry	"
Tomkewitz, John W.	"
Wagner, George	Vandalia
APRIL 16, 1885.	
Austin, James E.	Waverly
Brisley, Harry	Oak Park
Breves, Herman	Chicago
Bayly, Frank L.	"
Colwell, Wm. M.	"
Collins, Cyrus C.	Anrora
Doepf, Wm. L.	Chicago
Driscoll, Jeremiah E.	"
Dreier, Otto A.	"
Gamm, Charles A.	"
Glaser, Edward F.	"
Gilmore, Wm. T.	"
Heine, George B.	"
Horn, Edgar A.	"
Hoeger, Sigmund M.	"
Lambin, George M.	"
Martin, Cyrus B.	"
Magee, Walter J.	"
Miller, Albert	"
Mehl, Albert J.	"
Maguire, Andrew H. J.	"
Novak, John	"
Poore, James E.	"
Peyton, Lucy E.	"
Peck, Albert E.	Onarga
Raimer, Edward	Havenswood
Schmeling, Otto L. F.	Chicago
Springer, Edwin	Elgin
Slattery, James	Chicago
Thayer, Robert C.	"
Tesche, Adolph	Peru
Vaughn, John W.	Chicago
Wood, Wm. H.	"
Wraith, John W.	"
White, John	"
Wang, Alf. M.	"
Winholt, George F.	"

BY-LAWS AND RULES.

DUTIES OF THE PRESIDENT.

The President shall preside at all meetings, call members to order, and upon the appearance of a quorum, proceed to the following order of business:

Roll-call.

Reading minutes of previous meeting.

Remarks of President.

Examination of candidates for Licentiates.

Report of examination of candidates for Licentiates.

Report of Committee on Complaints and Grievances.

Report of Committee on Adulterations and Poisons.

Report of Committee on Auditing and Finance.

Miscellaneous business.

In the absence of the President at any meeting, the Board shall elect a member, who shall act and perform his duties as President *pro tem*.

The President shall preserve order and decorum in the meetings, and shall decide all questions of order, subject to appeal to the Board; he shall appoint all standing committees, and shall counter-sign all certificates ordered by the Board.

DUTY OF THE SECRETARY.

It shall be the duty of the Secretary to attend all meetings of the Board, and make a full record of the proceedings of the same; he shall keep a book of registration, in which shall be entered the names and places of business of all persons registered under the Pharmacy law; also, specify such facts as said persons shall claim to justify their registration. The Secretary shall prepare all certificates ordered by the Board, and shall notify each member by mail of all meetings of the Board, and do such other clerical work as the Board may direct; and he shall give such bond, to be approved by the Board, as the Board may from time to time direct. He shall also keep a full account of all moneys received and disbursed, and specify for what purposes, and make a full report of receipts and expenditures and cash on hand at each regular meeting, or whenever it is demanded by the Board.

MEETINGS.

The regular meetings of the Board shall be held on the second Tuesday in July, second Tuesday in October, second Tuesday in January and second Tuesday in April, of each year. The places of meeting to be designated by the Board. Upon the written application of three members of the Board, the President shall call special meetings of the Board, and shall cause notice thereof to be given to each member seven days in advance of said meeting; but the President may call special meetings of the Board at any time he may deem proper.

STANDING COMMITTEES.

Committee on Complaints and Grievances—Messrs. Schröder, Day and President.

The duties of the Committee on Complaints and Grievances shall be, to carefully examine into all complaints and grievances made to the Board pertaining to violations of the Pharmacy Law, except adulterations and the sale of poisons. All such complaints and grievances shall be referred to said committee, and a written report submitted thereon, before any prosecution shall be ordered by the Board.

Committee on Adulterations and Poisons—Messrs. Ebert, Espey and President.

The duties of the Committee on Adulterations and Poisons shall be, to carefully examine into all complaints made to the Board pertaining to violations of the Pharmacy Law in regard to adulterations and the sale of poisons; all such complaints shall be referred to said committee, and a written report made thereon, before an analyst or expert can be employed, or any prosecution shall be ordered by the Board.

Committee on Auditing and Finance—Messrs. Espey, Ebert and President.

The duties of the Committee on Auditing and Finance shall be, to carefully examine into all claims presented to the Board for payment, and to report upon the correctness and allowance of same; to examine the books and accounts of the Secretary, and make recommendations as to the manner and form such books and accounts shall be kept; to report at the regular meetings of the Board in July, October, January and April, upon the condition of the books and accounts of the Secretary, the amount of receipts and expenditures for the last quarter of the fiscal year, and the amount of cash on hand.

RULES.

RULE 1. Registered Pharmacists who change their location must report same within ten days, giving their present address to the Secretary.

RULE 2. Proprietors of pharmacies not registered themselves, who conduct pharmacies under charge of a Registered Pharmacist, must report any change they make in said Registered Pharmacist within ten days after such change occurs.

ABSTRACT
OF THE
PROCEEDINGS OF THE ILLINOIS BOARD OF PHARMACY
AT THE
MEETINGS DURING THE YEAR ENDING JUNE 30, 1885.

ANNUAL MEETING, SPRINGFIELD, JULY 1-2, 1884.

The fourth annual meeting of the Illinois Board of Pharmacy was held in the office of the Board in the Capitol building at Springfield on Tuesday, July 1, 1884, at 10 o'clock A. M.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Espey, Fleury and Day. Absent—Mr. Schroeder.

Reading of minutes of preceding meeting was, on motion, postponed.

The Secretary presented his quarterly financial statement, which was, on motion, referred to the Committee on Auditing and Finance.

It was moved that all bills presented during the meeting be referred to the Committee on Auditing and Finance. Carried.

On motion, the Board adjourned until 2 o'clock P. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Board met at 2 o'clock P. M.

President Buck presiding, and members present as before.

The special order of business being the examination of applicants for registration as Licentiates in Pharmacy, the Secretary was instructed to call the roll, whereupon thirty-one persons were found in waiting. Mr. Buck addressed the class, explaining the character of the examinations as conducted by this Board and

rules relating to the same, after which Messrs. Espey and Fleury proceeded to examine the class in Toxicology and Prescriptions and Materia Medica.

At 5 P. M., a recess was taken until 7 o'clock, at which time the class reassembled and was examined in Chemistry by Mr. Buck.

At 9:30 P. M., the Board adjourned until 9 o'clock Wednesday morning.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

JULY 2, 1884—9 O'CLOCK A. M.

The Board met, pursuant to adjournment, Mr. Schröder in the chair.

The roll-call was dispensed with, and the class being in waiting Mr. Schröder proceeded with the examination in Pharmacy.

At 11:15 o'clock, the class having finished their work, a recess was taken by the Board until 8 o'clock P. M.

Board met at 8 P. M.

President Buck presiding.

Members present—Messrs. Buck, Espey, Fleury, Schröder and Day.

Upon motion of Mr. Espey, the Board proceeded to consider the answers to questions submitted by the members of the class.

On motion the following named persons, having passed a satisfactory examination before the State Board of Pharmacy, were declared Licentiates in Pharmacy of the State of Illinois, and the Secretary was instructed to issue a certificate of registration to each, viz:

J. Harry Burns, Collinsville.	Ammon Coomes, Paxton.
Peter J. Bourscheidt, Peoria.	George R. Dean, Red Bud.
Edward S. Hoover, Springfield.	August Heimbeck, Rock Island.
Thomas J. Kavanaugh, Peoria.	Andrew W. Lawtenslager, Lee.
Clarence B. McClelland, Decatur.	Julius C. Meisenbach, Mendota.
John B. Michels, Carlyle.	Harry J. R. Rose, Millstadt.
Henry Stein, Chicago.	Frank Schmitt, Chicago.
Hans M. O. Thode, Arcola.	Total, 15.

The minutes of preceding regular meeting held in April were read and approved.

It was moved that the Secretary's bond be referred to the Finance Committee with power to act, and that the President be the custodian of the bond. Carried.

The Secretary presented his bond for the sum of ten thousand dollars, signed by himself as principal and William A. Day, Albert P. Cunningham and Edward Schmalhausen as sureties.

The following resolution was presented and adopted:

Resolved, That the Finance Committee be and are hereby authorized to have the books of the Secretary checked up for the fiscal year from July 1st, 1883, to July 1st, 1884, to verify the correctness of the Annual Report of the Secretary.

It was moved that the services of E. S. Smith, as Attorney for the Board, be continued upon the same terms as heretofore, until January 1st, 1885. Carried.

It was moved that the expenses incident to the examination, amount \$15.00, be allowed. Carried.

The following resolution was presented and on motion adopted:

WHEREAS, the Certificates of Membership issued by the Ontario College of Pharmacy, and presented to this Board in support of applications for registration as Registered Pharmacists, are not satisfactory diplomas or credentials of the attainments of the holders thereof; therefore,

Resolved, That applicants holding said certificates be and they are hereby refused registration on account thereof, and the Secretary is hereby directed to refuse registration to all applicants claiming the right to registration on account of certificates of membership in the said Ontario College of Pharmacy.

Mr. Espey, chairman, presented the following report:

JULY 2, 1884.

Having examined the report of the Secretary, I find the same correct.

J. E. ESPEY,

Chairman Finance Committee.

Mr. Espey presented the following:

JULY 2, 1884.

Your Committee on Finance recommend the following bills be allowed, having examined the same and found them correct.

J. E. ESPEY, *Chairman.*

Phillips Bros., printing.....	\$3 00
William Marlow, janitor services.....	18 00
Western Bank Note Co., printing.....	10 00
Frank Fleury, services and personal expenses.....	36 00
Charles W. Day, personal expenses, postage, etc.....	110 80
Thos. W. S. Kidd, printing.....	11 75
The Druggist, Chicago, advertising.....	5 00
John Morris, printing.....	17 25
Cadogan & Gardner, printing.....	3 75
E. S. Smith, services as attorney and personal expenses.....	578 82
H. Schröder, services and personal expenses.....	49 25
Chas. W. Day, services as Secretary, quarter ending June 30, 1884.....	500 00
John E. Espey, services and personal expenses.....	42 75
Geo. Buck, services and personal expenses.....	52 85
Examination expenses.....	15 00
Total.....	\$1,254 22

It was moved that the report be received, recommendations concurred in, and that orders be drawn on the Treasurer for amounts of said bills. Carried.

On motion the Board adjourned.

Approved: GEO. BUCK, *President.*

Attest: CHAS. W. DAY, *Secretary.*

Meeting of the Illinois Board of Pharmacy held in the office of the Board, in the Capitol building, at Springfield, on Monday, July 14, 1884, at 3 o'clock P. M., pursuant to call of the President.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Espey, Fleury and Day. Absent—Mr. Schröder.

On motion, the report was received, recommendations concurred in and orders drawn on the Treasurer for amounts.

On motion, the Board adjourned.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in room No. 66, Woodruff Hotel, Chicago, Tuesday, August 19, 1884, at 11 o'clock A. M., pursuant to call of President.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Day and Schröder.

Absent—Messrs. Espey and Fleury.

The President stated that the meeting had been called for the purpose of examining applicants for registration as Licentiates in Pharmacy.

Messrs. Day and Schröder repaired to the Grand Pacific Hotel, where a class of seventeen were in waiting.

Mr. Day addressed the class relative to the rules of the Board, after which the examination was proceeded with and continued during Tuesday and part of Wednesday.

On Thursday, at 2 o'clock P. M., the Board reconvened at Woodruff Hotel.

Upon motion, the following named persons, having passed a satisfactory examination, were declared Licentiates in Pharmacy of the State of Illinois, and the Secretary was instructed to issue to each a certificate as such, viz:

Fred A. Rometch, Chicago; Bothwell Pulford, Savanna; Cornelius Duncan, Chicago; John F. Rice, Marengo.

There appearing no further business, on motion, the Board adjourned to meet in Chicago on Tuesday, October 14, 1884, at 10 o'clock A. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy held in club room "A," Grand Pacific Hotel, Chicago, on Tuesday, October 14, 1884, at ten o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Espey, Day and Schröder.
Absent—Mr. Fleury.

The reading of minutes of previous meetings was postponed.

The Secretary being busily engaged receiving applications for examination, the Board took a recess until two o'clock P. M.

Board convened at 2 o'clock P. M.

President Buck presiding and members present as before.

The Secretary was instructed to call the roll of applicants for registration by examination, whereupon forty-three were found in waiting.

Mr. Buck addressed the class, explaining plan of examination as pursued by the Board, and called attention to the rule that debarred from participation in the examination any one detected in consulting note books, memoranda, or other helps.

Messrs. Espey and Schröder then proceeded with the examination, having in charge, respectively, Prescriptions, and Toxicology and Pharmacy.

At 6:20 P. M., the Board adjourned until nine o'clock Wednesday morning.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in club room "A," Grand Pacific Hotel, Chicago, on Wednesday, October 15, 1884, at nine o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Members present—Messrs. Buck, Espey, Schröder and Day. Absent—Mr. Fleury.

The class being present, Messrs. Buck and Espey presented the questions on Chemistry and Materia Medica.

At 1:15 P. M., the class having finished, the Board adjourned until two o'clock P. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Board met at 2 o'clock P. M., President Buck presiding and members present as before.

The minutes of the last regular and subsequent special meetings were read and approved.

On motion, the Board adjourned until Friday, October 17, at ten o'clock A. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in room No. 32 Grand Pacific Hotel, Chicago, Friday, October 17, 1884, at ten o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Members present—Messrs. Buck, Espey, Schroeder and Day. Absent—Mr. Fleury.

On motion, the following named persons, having passed a satisfactory examination, were declared Licentiates in Pharmacy of the State of Illinois, and the Secretary was instructed to issue a certificate of registration to each:

Wm. F. Dessau, Chicago.
F. E. J. Falkenberg, Chicago.
Albert W. Fulton, Chicago.
Herbert W. Grenslet, Sparta.
Arthur Griesbach, Chicago.
Frank C. Kennelly, Joliet.
Otto W. Lewke, Chicago.
Albert Madden, Newton.
James A. Powell, Chicago.

Emil E. Pels, Chicago.
Almon D. Palmer, Chicago.
Fred. D. Pierce, Polo.
Max Richter, Chicago.
Charles B. Wagner, Chicago.
Willis P. Woodard, Rockford.
Richard F. Witt, Rock Island.
J. Frank Weaver, Chicago.

Total 17.

In the matter of failure on the part of some Registered Pharmacists of Illinois to renew registration, the Secretary was instructed to investigate cause.

The Chairman of Finance Committee presented the following report:

CHICAGO, October 17, 1884.

State Board of Pharmacy:

GENTLEMEN—Your Committee on Finance have examined the following bills, find them correct, and recommend orders be drawn on the Treasurer for the several amounts:

Chas. W. Day, office expenses.....	\$153 20
Chas. W. Day, salary as Secretary for quarter ending September 30, 1884.....	500 00
Chicago Tribune, advertising.....	3 00
Frank Fleury, services as member of Board.....	10 00
Phillips Bros., printing.....	4 00
Turtle's Detective Agency, professional services.....	15 50
Springfield Journal Co., printing.....	9 75
D. W. Bland, services as janitor.....	3 00
Western News Co., legal cap paper.....	1 80
Frank Simmons, stationery.....	3 50
Wm. Marlow, janitor services, 3 months.....	18 00
Chicago Inter-Ocean, advertising.....	1 28
Chicago Times, advertising.....	1 05
Geo. Buck, services and personal expenses.....	38 35
Jno. E. Espey, ".....	60 60
H. Schroeder, ".....	193 20
E. S. Smith, legal services and personal expenses.....	406 41
Paul Selby, P. M., postage stamps ..	65 00
Total	\$1,487 64

Respectfully submitted,

J. E. ESPEY, *Chairman.*

It was moved that the report be received, the recommendations concurred in, and orders drawn on Treasurer for amounts. Carried.

The Chairman of Finance Committee reported that he had compared the Secretary's report with previous ones and found the same correct.

On motion, the report was received and placed on file.

On motion, the Board adjourned.

Approved: GEO. BUCK, *President.*

Attest: CHAS. W. DAY, *Secretary.*

Meeting of the Illinois Board of Pharmacy, held in the office of the Board, in the Capitol building, Springfield, on Tuesday, January 13, 1885, at 10 o'clock A. M.

President Buck presiding.

Roll-call: Members present—Messrs. Buck, Espey, Schröder and Day.

Mr. Albert E. Ebert, of Chicago, having furnished evidence of his appointment by his excellency, the Governor, as a member of the Illinois Board of Pharmacy, to succeed Mr. Frank Fleury, term expired, was accompanied to the office of the Secretary of State, who administered the oath of office as prescribed by the Constitution of the State of Illinois; after which Mr. Ebert was welcomed by President Buck. Mr. Ebert responded, and then took part as a member in the proceedings of the Board.

The reading of minutes of previous meetings was postponed.

The following resolution was presented, and, on motion, adopted:

Resolved, That the Illinois Board of Pharmacy desires to place on record its grateful sense of the value and importance of the services rendered by its late retiring member, Mr. Frank Fleury.

Resolved, That the thanks of the Board are hereby tendered to Mr. Frank Fleury for his efficient services as a member of the Board, accompanied by the earnest wish that his future life may be long, prosperous and happy.

The following resolution was presented, and on motion adopted:

Resolved, That in order to promote the efficiency of the rules governing the examination of Licentiates of this Board, it is hereby *Resolved*, that in the case of any applicant who has failed, or who may hereafter fail in passing the prescribed printed or written examination for Licentiates in Pharmacy, an opportunity will be afforded each of the aforesaid unsuccessful applicants to be examined orally at any meeting of the Board; this privilege to be limited and confined solely to those persons who fail in passing the full printed or written examination. Persons desiring oral examinations should apply to the Secretary for information as to when the Board will conduct such oral examinations.

It was moved that the President be instructed to make a statement to each class incorporating the above resolution. Carried.

The President requested the members of the Board to be present for an oral examination at 8 o'clock P. M.

The minutes of the last regular meeting, held in October, were read and approved.

On motion, the Board adjourned until 2 o'clock P. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Board of Pharmacy at 2 o'clock P. M., pursuant to adjournment.

President Buck presiding and members present as before.

Reading of minutes of preceding session postponed.

The Secretary was directed to call the roll of applicants for examination, whereupon twenty-eight were found in waiting.

Mr. Buck addressed the class, explaining the character and extent of examination, calling attention to the fact that any member of the class detected in using text books, memoranda or other helps,

would forfeit any claim to successful rating on answers submitted. Also stating that any applicant failing to pass the printed examination could be examined orally at 8 o'clock this evening.

The examiners then took charge and proceeded with the examination.

At 6:10 o'clock the Board adjourned until 8 o'clock.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Board convened at 8 o'clock P. M.

President Buck presiding and members present as before.

The special order of business being an oral examination, the same was proceeded with, all members of the Board taking part. Six applicants presented themselves.

At 10 o'clock the examination being finished, on motion the Board adjourned until 9 o'clock Wednesday morning.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in the office of the Board, in the Capitol building, at Springfield, on Wednesday, January 14, 1885, at 9 o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Espey, Schroeder, Ebert and Day.

The minutes of preceding sessions were read for information.

The class being present, the written examination was proceeded with and continued until 1 o'clock P. M., when, upon motion, the Board adjourned until 8 o'clock P. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Board met at 8 o'clock P. M.

President Buck presiding and members present as before.

It was moved that the following named persons, having passed a satisfactory examination, be declared Licentiates in Pharmacy of the State of Illinois, and that the Secretary be instructed to issue a certificate of registration to each, viz:

Albert Ackermann, Chicago.	Otto Q. Beckworth, Wenona.
Theron H. Carter, Arcola.	Edward M. Hoy, Decatur.
D. E. Kirkpatrick, Camp Point.	Jacob B. Leyser, Chicago.
Homer W. McCoy, Peoria.	John U. Mackay, Chicago.
Urban Overmann, Peoria.	Wm. O. Steinmeyer, Carlinville.
Anthony B. Schächer Chicago.	Henry Schaller, Chicago.
John W. Tomkewitz, Chicago.	George Wagner, Vandalia.

Total, 14. Carried.

On motion, the Board adjourned until 9 o'clock A. M., the 15th.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in the office of the Board, in the Capitol building, at Springfield, on Thursday, January 15, 1885, at 9 o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Present—Messrs. Buck, Ebert, Espey, Schroeder and Day.

Reading of minutes of preceding sessions was postponed.

The Secretary presented his quarterly report, which was, on motion, received and placed on file.

The Secretary was instructed to address an open letter to the teaching Colleges of Pharmacy in the United States in relation to what should constitute a satisfactory diploma within the meaning of the Pharmacy Act of Illinois.

The Chairman of Finance Committee presented a report from Joseph Bennett, an accountant employed by said committee to check the books of the Secretary.

On motion, the report was received and placed on file.

A discussion was had as to the feasibility of employing a clerk in the office of the Board, pending which, on motion, the Board adjourned until two o'clock P. M.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

The Board convened at two o'clock P. M., pursuant to adjournment.

President Buck presiding and members present as before.

Discussion of above matter was resumed.

The following resolution was presented and adopted:

Resolved, That the Finance Committee be authorized to employ a clerk who shall act as assistant to the Secretary for six months, at a salary not exceeding eighty-three \$3-100 dollars per month.

The President announced the appointment of the following standing committees:

On Complaints and Grievances—Messrs. Schroeder, Day and the President.

On Adulterations and Poisons—Messrs. Ebert, Espey and the President.

On Auditing and Finance—Messrs. Espey, Ebert and the President.

It was moved that Mr. E. S. Smith be re-employed as attorney for the Board for a period of three months from date, at salary previously paid. Carried.

It was moved that the Secretary take time and prepare a plan for the improvement and furnishing of the office of the Board and present same to the Finance Committee, and upon their authorization, to purchase fittings and furniture necessary. Carried.

It was moved that on and after this date all distinguishing marks on certificates be abandoned. Carried.

It was moved that Messrs. Buck and Ebert be instructed to procure the necessary certificates and stationery for the coming year. Carried.

It was moved that Messrs. Buck and Ebert be authorized to procure a proper certificate, to be given to the person receiving the highest averages in the examinations of the Board. Carried.

On motion, the Board adjourned until nine o'clock to-morrow morning.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in the office of the Board, in the Capitol building at Springfield, on Friday, January 16, 1885, at nine o'clock A. M., pursuant to adjournment.

President Buck presiding.

Roll-call: Members present—Messrs. Buck, Espey, Ebert, Schröder and Day.

The minutes of preceding sessions were read.

Complaint having been made that justices of the peace did not always make returns of moneys collected as fines, the Secretary was instructed to communicate with county superintendents of schools of counties in which fines have been imposed, to the end that returns may be exacted.

The Chairman of Finance Committee presented the following report:

SPRINGFIELD, ILL., January 16, 1885.

State Board of Pharmacy:

Having examined the following bills, we report them correct, and recommend that orders be drawn on the treasury for the several amounts, viz:

John E. Espey, services and personal expenses	\$106 30
Albert E. Ebert, ...	54 00
Herman Schröder, ...	51 00
J. H. Barclay & Co., rent of tables and chairs for examination	8 00
Helweg & Snape, gas fixtures and labor	18 00
Frank Fleury, services as member of Board	25 00
Paul Selby, P. M., postage stamps	40 00
T. W. S. Kidd, printing envelopes and postals	7 60
J. M. Crane, collecting evidence, case of People vs. Golliday	14 45
G. P. Engelhard & Co., advertising	5 00
Cadogan & Gardner, printing	7 50
Springfield Journal Co., printing briefs for Appellate Court	28 00
Paul Selby, P. M., postage stamps	20 00
George W. Jones, Appellate Court costs, case of People vs. Nedrow	10 00
The Pharmacist, advertising	20 00
J. B. Brown, stationery	32 15
H. W. Rokker, binding 12 copies annual report	9 00
Charles W. Day, personal expenses and bills paid	120 90

Joseph Bennett, services as accountant	\$50 00
Wm. Marlow, janitor services quarter ending December 31, 1884	18 00
Chas. W. Day, salary as Secretary, quarter ending December 31, 1884	500 00
George Buck, services and personal expenses	14 00
George Buck	42 25

Total \$1,201 15

Respectfully submitted,

J. E. ESPEY,
ALBERT E. EBERT.

On motion, the report was received and recommendations concurred in. The Secretary was instructed to issue vouchers for the amounts.

On motion, the Board adjourned.

Approved: GEORGE BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in room No. 10, Grand Pacific Hotel, Chicago, on Friday, February 13, 1885, at 10 o'clock A. M., pursuant to call of the President.

President Buck presiding.

Roll-call: Members present—Messrs. Buck, Ebert, Espey, Schroeder and Day.

The President stated that he had called the meeting to consider the feasibility of presenting an amendment to the Pharmacy Act during the present session of the State Assembly; to make necessary appropriations for office fixtures and furniture and registration books, stationery, etc., and to define the duties of examiners in oral examinations, and of the Committee on Complaints and Grievances.

It was moved that there be appropriated by the Board the sum of twenty-five hundred dollars, to be expended in fitting up the office of the Board with furniture necessary, library, apparatus and appliances for chemical tests, examination of classes and proper fulfilment of adulteration clause of the Pharmacy law. Carried.

It was moved that the resolution adopted at the meeting held at Springfield January 15, 1885, in reference to purchase of office furniture by the Secretary, be rescinded. Carried.

It was moved that the Finance Committee, with the Secretary, be instructed to make such purchases as are necessary for the purpose of properly fitting and furnishing the office of the Board, and that this committee be authorized to draw upon the amount of twenty-five hundred dollars above appropriated for payment of the same. Carried.

It was moved that the Finance Committee be authorized to expend the sum of five hundred dollars for the purchase of registration and account books, certificates, stationery, etc. Carried.

It was moved that in oral examinations each examiner be limited to fifteen minutes with each candidate. Carried.

It was moved that the Secretary be instructed to write a letter of greeting to the Pharmaceutical Society of Great Britain, introducing the President of this Board and commending him to their courtesy. Carried.

In the matter of prosecutions, it was agreed by unanimous consent that when the President is away all complaints shall be referred to Messrs. Schröder and Day.

The chairman of the Finance Committee presented the following :

State Board of Pharmacy:

CHICAGO, February 13, 1885.

GENTLEMEN: Your Committee on Finance recommend that the following bills be paid, having examined the same and found them correct:

J. E. Espey, services and personal expenses	\$25 50
George Buck, ...	12 25
A. E. Ebert, ...	10 75
H. Schröder, ...	66 50
C. W. Day, personal expenses attending meeting	42 00
Western Bank Note Co., printing certificates	90 00

Respectfully submitted,

J. E. ESPEY.
A. E. EBERT.

It was moved that the report be received, recommendation concurred in, and orders drawn on Treasurer for amounts. Carried.

On motion, the Board adjourned.

Approved: GEO. BUCK, *President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in the Lecture Hall of the College of Pharmacy, Chicago, on Tuesday, April 14, 1885, at 10 o'clock A. M.

The Secretary called the Board to order.

Upon roll-call the following named members responded: Messrs. Ebert, Espey, Schröder and Day.

The Secretary explained that Mr. Buck, the President, was absent in Europe, and stated that the first order of business was the election of a President *pro tem*.

It was moved that Mr. A. E. Ebert be declared President *pro tem*., to act in such capacity until Mr. Buck's return. Carried.

Mr. Ebert thanked the Board for the compliment, and declared the regular order of business to be examination of candidates for registration as Licentiates in Pharmacy.

The Secretary was directed to call the roll of applicants, where-upon ninety-one persons were found in waiting.

Mr. Day explained to the class the character and manner of conducting examinations and the rule of the Board in reference to the clandestine use of text books, notes, whispered consultations or other helps, after which the examination proceeded in *Materia Medica* under the direction of Mr. Ebert.

At 1 o'clock a recess of one hour and thirty minutes was taken for dinner, after which the examination was resumed, Chemistry being the branch under consideration, Mr. Ebert still in charge.

At 5 o'clock P. M., the class having finished the questions submitted to them, was dismissed until Wednesday morning at 10 o'clock.

On motion, the Board adjourned until 10 o'clock Wednesday morning.

Approved: ALBERT E. EBERT, *Acting President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in Lecture Hall of College of Pharmacy, Chicago, on Wednesday, April 15, 1885, at 10 o'clock A. M., pursuant to adjournment.

Acting President Ebert presiding.

Roll-call: Members present—Messrs. Ebert, Espey, Schröder and Day. Absent—Mr. Buck.

Reading of minutes of preceding session was dispensed with.

The regular order of business being the examination of candidates for registration, and the class being in waiting, Mr. Schröder took charge, submitting questions on Pharmacy, he being followed by Mr. Espey in Toxicology and Prescriptions.

At 2 o'clock P. M., the examination having been concluded, the Board adjourned to meet at the Grand Pacific Hotel on Thursday at 2 o'clock P. M.

Approved: ALBERT E. EBERT, *Acting President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in room No. 171 Grand Pacific Hotel, Chicago, on Thursday, April 16, 1885, at two o'clock P. M., pursuant to adjournment.

Acting President Ebert presiding.

Roll-call: Members present—Messrs. Ebert, Espey, Schröder and Day. Absent—Mr. Buck.

The regular order of business being the consideration of applications for registration by examination, it was moved that the following named persons, having passed a satisfactory examination before

the State Board of Pharmacy, be declared Licentiates in Pharmacy of the State of Illinois, and that the Secretary be instructed to issue a certificate of registration to each, viz:

James E. Austin, Waverly.	Herman Breves, Chicago.
Harry Brisley, Oak Park.	Frank L. Bayly, Chicago.
Cyrus C. Collins, Aurora.	William M. Colwell, Chicago.
William L. Doepp, Chicago.	Jeremiah E. Driscoll, Chicago.
Otto A. Dreier, Chicago.	Charles A. Gamm, Chicago.
Edward F. Glaser, Chicago.	William T. Gilmore, Chicago.
George B. Heine, Chicago.	Edgar A. Horn, Chicago.
Sigmund M. Hoeger, Chicago.	George M. Lambin, Chicago.
Cyrus B. Martin, Chicago.	Walter J. Magee, Chicago.
Albert Miller, Chicago.	Albert J. Mehl, Chicago.
Andrew H. J. Maguire, Chicago.	John Novak, Chicago.
James E. Poore, Chicago.	Lucy Edwin Payton, Chicago.
Albert E. Peck, Onarga.	Edward Raimier, Ravenswood.
Edwin Springer, Elgin.	Otto L. F. Schmeling, Chicago.
James Slattery, Chicago.	Robert C. Thayer, Chicago.
Adolph Tesche, Peru.	William H. Wood, Chicago.
John W. Vaughn, Chicago.	John W. Wraith, Chicago.
John W. White, Chicago.	Alf. Marius Wang, Chicago.
George F. Winholt, Chicago.	Total, 37.
Carried.	

On motion, the Board adjourned until Friday morning at eleven o'clock.

Approved: ALBERT E. EBERT, *Acting President*.

Attest: CHAS. W. DAY, *Secretary*.

Meeting of the Illinois Board of Pharmacy, held in room No. 171 Grand Pacific Hotel, Chicago, on Friday, April 17, 1885, at two o'clock P. M., pursuant to adjournment.

Acting President Ebert, presiding.

Roll-call: Members present—Messrs. Ebert, Espey, Schröder and Day. Absent—Mr. Buck.

Minutes of preceding meetings were read.

It was moved that the report of Treasurer *ex-officio* be received and placed on file. Carried.

A statement of checkings of receipts and expenditures for the years 1881, 1882, 1883 and 1884, by the bookkeeper, was presented, which was, on motion, referred to the Finance Committee with power to act, and they to report at next meeting.

The chairman of Committee on Adulterations reported that the committee are pursuing investigations. Pharmaceutical and medicinal specimens are being examined by a competent chemist, and results will be ready for the annual report.

It was moved that Mr. E. S. Smith be re-employed as attorney for the Board for three months, beginning April 18th, at salary previously paid. Carried.

Received on account of Penalties, People v. E. E. Rosene.....	\$25 00
.. J. N. & T. Brown.....	25 00
.. J. M. Bosart.....	25 00
.. V. V. Tucker.....	25 00
.. W. O. Steinmeyer.....	25 00
.. J. P. Faris.....	25 00
.. M. Schultz.....	24 85
.. F. P. Golliday.....	25 00
.. E. Pierpont.....	25 00
.. H. Schaller.....	50 00
.. G. M. Emerich.....	25 00
.. G. M. Shackleton.....	25 00

Total..... \$625 60

Total receipts..... \$23,879 02

Expenditures from May 4, 1882, to June 30, 1885, inclusive.

No. of Voucher	Name.	Amount	For What.
89	H. Schröder.....	\$67 15	Services as member of Board and personal ex- penses.....
90	F. Fleury.....	64 50	Services as member of Board and personal ex- penses.....
91	Cadogan & Gardner.....	3 75	Printing examination questions.....
92	Springfield Printing Co.....	2 00	Printing 150 circulars.....
93	J. F. Willman & J. B. Brown..	2 00	Printing 200 postals and 1 bot. Arnold's ink.....
94	Journal Company.....	46 75	Printing circulars, envelopes, etc.....
95	The Pharmacist.....	30 00	Advertising notice of meetings.....
96	G. P. Englehard & Co.....	31 00	Advertising notice of meetings.....
97	W. J. Barnes.....	18 00	Janitor services, 3 months.....
98	H. Schröder.....	4 15	Special trip.....
99	Geo. Buck.....	62 35	Services as member of Board, expenses, pos- tage and amounts paid Peck & Co. and Shober & Co.....
100	Chas. W. Day.....	268 00	Salary as Secretary from May 4 to June 30, 1882, and personal expenses.....
101	H. Schröder.....	20 30	Services as member of Board and personal ex- penses.....
102	Geo. Buck.....	73 50	Services as member of Board and personal ex- penses.....
103	Chas. W. Day.....	15 55	Personal expenses.....
104	Journal Company.....	17 40	Postal cards and printing.....
105	Chas. W. Day.....	242 11	Postage, stationery, etc.....
106	W. H. Peck & Co.....	42 00	Printing.....
107	F. W. Janson & Son.....	1 00	Use of tables and chairs at Quincy examination.....
108	Cadogan & Gardner.....	3 75	Printing examination questions.....
109	L. O. Collins, Jr.....	100 00	Legal services.....
110	Frank Fleury.....	25 00	Services as member of Board.....
111	Geo. Buck.....	55 25	Services as member of Board and personal ex- penses.....
112	H. Schröder.....	38 30	Services as member of Board and personal ex- penses.....
113	J. E. Espey.....	77 30	Services as member of Board and personal ex- penses.....
114	W. J. Barnes.....	18 00	Janitor services, 3 months.....
115	Chas. W. Day.....	500 00	Salary as Sec'y quarter ending Sept. 30, 1882.....
116	Chas. W. Day.....	151 55	Amount paid for clerical services, postage, etc.....
117	Pantagraph Co.....	3 75	Printing examination questions.....
118	F. Fleury.....	250 00	Amount expended for clerical services, while Secretary.....
119	G. P. Englehard & Co.....	10 00	Advertising meeting of Board, 2 times.....
120	W. H. Peck & Co.....	1 75	Printing examination questions.....
121	Geo. Buck.....	1 75	Amount expended for legal cap paper.....
122	H. Schröder.....	64 00	Services as member of Board and personal ex- penses.....
123	Pantagraph Co.....	4 75	Printing examination questions.....
124	Journal Co.....	15 00	Postal cards and circulars.....
125	J. E. Espey.....	71 85	Services as member of Board and personal ex- penses.....
126	Chas. W. Day.....	37 30	Personal expenses attending meeting.....
127	Atkins & Hughes.....	25 00	Reading and revising proof on 1st Annual Re- port.....
128	F. Fleury.....	67 55	Services as member of Board and personal ex- penses.....
	Amount carried forward.....	\$2,533 36	

Expenditures—Continued.

No. of Voucher	Name.	Amount.	For What.
<i>Amount brought forward.....</i>		\$2,533 36	
129	Geo. Buck.....	31 00	Services as member of Board and personal expenses.....
130	Cadogan & Gardner.....	3 75	Printing examination questions.....
131	H. Schroeder.....	26 98	Amount paid for samples for investigation.....
132	H. Schroeder.....	56 05	Services as member of Board and personal expenses.....
133	Geo. Buck.....	38 60	Services as member of Board and personal expenses.....
134	Chas. W. Day.....	12 97	Amount paid for freight and drayage on safe..
135	Chas. W. Day.....	48 82	Incidental office expenses.....
136	W. H. Peck & Co.....	9 00	Printing examination questions.....
137	F. Weise.....	100 00	1 Marvin safe.....
138	G. P. Englehard & Co.....	15 00	Advertising notice of meetings.....
139	C. Finley.....	4 00	Janitor services at Chicago examination.....
140	The Pharmacist.....	25 00	Advertising notice of meetings.....
141	W. J. Barnes.....	18 00	Janitor services, 3 months.....
142	Journal Company.....	629 75	Printing 1st Annual Report, blanks, etc.....
143	F. Fleury.....	20 00	Salary as member of Board and personal expenses.....
144	Geo. Buck.....	45 00	Salary as member of Board and personal expenses.....
145	H. Schroeder.....	72 80	Salary as member of Board and personal expenses.....
146	J. E. Espey.....	59 50	Salary as member of Board and personal expenses.....
147	Chas. W. Day.....	609 85	Salary as Secretary quarter ending Dec. 31, 1882. Office and traveling expenses.....
148	W. H. Peck.....	4 00	Printing examination questions.....
149	Culver, Page & Hoyne.....	1 50	Legal cap paper.....
150	Pantagraph Co.....	4 75	Printing examination questions.....
151	Cadogan & Gardner.....	3 75	Printing examination questions.....
152	Committee on Adulterations.....	2 20	Express and telegrams.....
153	Committee on Adulterations.....	29 68	Expenses of investigations.....
154	L. C. Collins, Jr.....	100 00	Legal services.....
155	Cadogan & Gardner.....	3 75	Printing examination questions.....
156	H. Schroeder.....	72 55	Services as member of Board and personal expenses.....
157	Geo. Buck.....	45 50	Services as member of Board and personal expenses.....
158	Frank Fleury.....	25 00	Services as member of Board and personal expenses.....
159	J. E. Espey.....	39 50	Services as member of Board and personal expenses.....
160	J. H. Barkley & Co.....	5 00	Rent of tables and chairs for examination.....
161	G. P. Englehart & Co.....	10 00	Advertising notice of meeting—2 times.....
162	E. B. Stewart.....	120 00	16 analyses Quinine Pills.....
163	Chas. W. Day.....	54 65	Office expenses.....
164	W. H. Peck & Co.....	2 25	Printing examination questions.....
165	Pantagraph Co.....	4 50	Printing examination questions.....
166	J. C. Edwards.....	25 00	Legal services.....
167	Journal Co.....	6 50	Printing 500 postals.....
168	Chas. W. Day.....	532 50	Salary as Secretary quarter ending March 31, 1883, and personal expenses.....
169	Chas. W. Day.....	106 00	Amount expended in renovating office.....
170	Journal Co.....	3 00	Printing examination questions.....
171	Lyman Trumbull.....	200 00	Legal services.....
172	Frederick Power.....	60 00	16 analyses of Quinine Pills.....
173	S. D. Childs & Co.....	2 80	Colored wafers.....
174	Culver, Page & Hoyne.....	15 25	Envelopes.....
175	Schober & Carqueville.....	64 50	Printing diplomas.....
176	F. Fleury.....	5 00	Services as member of Board.....
177	H. Schroeder.....	28 55	Services as member of Board and personal expenses.....
178	J. E. Espey.....	34 00	Services as member of Board and personal expenses.....
179	Geo. Buck.....	62 75	Services as member of Board and personal expenses.....
180	Chas. W. Day.....	500 00	Salary as Secretary quarter ending June 30, '83.
181	W. H. Robertson.....	20 00	Examining books of Board as expert.....
182	Mr. Washington.....	3 00	Janitor services at Chicago, examination.....
183	G. P. Englehard & Co.....	15 00	Advertising notice of meeting—3 times.....
<i>Amount carried forward.....</i>		\$6,571 86	

Expenditures—Continued.

No. of Voucher	Name.	Amount.	For What.
	<i>Amount brought forward</i>	\$6,571 86	
184	T. W. S. Kidd	29 20	Printing letter heads, envelopes, circulars, etc.
185	Cadogan & Gardner	3 75	Printing examination questions
186	Springfield Journal Co	16 50	1500 envelopes, printed
187	Chas. W. Day	48 10	Personal expenses to Hoopston and Chicago
188	Culver, Page & Hoyne	2 00	Legal cap paper and pencils
189	Chas. W. Day	196 45	Expenses of office, express, postage, telegraphing, etc.
190	J. E. Espey	76 60	Services as member of Board and personal expenses
191	F. Fleury	54 60	Services as member of Board and personal expenses
192	Geo. Buck	27 00	Services as member of Board and personal expenses
193	F. Fleury	5 00	Services as member of Board
194	H. Schröder	21 55	Services as members of Board and personal expenses
195	George Buck	33 05	Services as member of Board and personal expenses
196	Charles W. Day	20 55	Special trip to Champaign, telegrams, express, etc.
197	Charles W. Day	500 00	Salary as Secretary, quarter ending September 30, 1883
198	W. H. Hickman	18 00	Janitor services 3 months
199	E. S. Smith	233 23	Legal services and personal expenses
200	J. M. Garland	3 75	1 trunk
201	Frank Simmons	2 00	1 letter file
202	G. P. Englehard & Co.	10 00	Advertising notice of meeting 2 times
203	A. P. Cunningham	6 50	1 letter press
204	J. B. Brown	1 20	Writing and copying ink and mucilage
205	T. W. S. Kidd	5 50	Printing 250 blanks and 500 postals
206	Phillips Bros	3 50	Printing examination questions
207	Paul Selby, P. M.	47 00	Postage stamps
208	Charles W. Day	5 00	Amount expended in preparing for examination
209	H. Schröder	92 20	Services as member of Board and personal expenses
210	J. E. Espey	41 50	Services as member of Board and personal expenses
211	F. Fleury	50 00	Services as member of Board and personal expenses
212	George Buck	37 40	Services as member of Board and personal expenses
213	H. Schröder	84 30	Services as member of Board and personal expenses
214	J. E. Espey	68 25	Services as member of Board and personal expenses
215	Charles W. Day	500 00	Salary as Secretary, quarter ending December 31, 1883
216	Journal Company	279 75	Printing 1,000 copies of 2d Annual Report
217	W. H. Hickman	14 30	Janitor services, etc.
218	J. B. Brown	3 30	Legal cap paper, bands, pencils and twine
219	J. B. Storey	12 30	Use of tables and chairs at Chicago examination
220	P. Selby, P. M.	60 00	Postage stamps
221	J. McCullough	8 30	Ice for office
222	J. C. Hughes	16 00	Reading and revising proof of Annual Report
223	A. P. Cunningham	2 00	1 great gross elastic bands
224	St. Louis Druggist	1 20	Advertising notice of meeting
225	Charles W. Day	124 55	Personal expenses attending meeting and special trips
226	G. P. Englehard & Co.	5 00	Advertising notice of meeting
227	J. M. W. Jones	1 25	Stationery supplies
228	F. Fleury	20 00	Services as member of Board
229	E. S. Smith	415 34	Legal services and personal expenses
230	J. M. W. Jones	3 00	Stationery supplies
231	G. P. Englehard & Co.	5 00	Advertising notice of meeting
232	Charles W. Day	500 00	Salary as Secretary, quarter ending March 31, 1884
233	Charles Finley	4 00	Janitor services at examination—Chicago
234	Western News Co	3 78	Stationery supplies
235	Phillips Bros	4 00	Printing examination questions
	<i>Amount carried forward</i>	\$10,328 61	

Expenditures—Continued.

Voucher No.	Name.	Amount.	For What.
	<i>Amount brought forward</i>	\$10 328 61	
236	Charles W. Day.....	158 15	Special trips and personal expenses in prosecutions.
237	George Buck.....	71 50	Services as member of Board and personal expenses
238	J. E. Espey.....	70 00	Services as member of Board and personal expenses
239	H. Schroeder.....	95 05	Services as member of Board and personal expenses.
240	F. Fleury.....	60 10	Services as member of Board and personal expenses
241	Philbrick & Bush.....	27 80	Taking in shorthand testimony in case of People vs. J. H. Nedrow.
242	Pantagraph Company.....	4 75	Printing examination questions
243	Cadogan & Gardner.....	3 75	Printing examination questions
244	Wm. Marlow.....	24 00	Janitor services, 4 months
245	J. B. Brown.....	13 50	Stationery supplies
246	T. W. S. Kidd.....	54 75	Printing envelopes, blanks, circulars, etc.
247	Druggists' Publishing Co.....	4 50	Advertising notice of meetings 3 times
248	Western Bank Note Co.....	200 00	Engraving 5,500 certificates of registration
249	L. C. Collins, Jr.....	25 00	Legal services
250	The Pharmacist.....	15 00	Advertising notice of meeting 3 times
251	John Morris.....	16 50	3,500 No 45 3/4 port folio envelopes
252	Journal Company.....	4 00	1,000 envelopes and printing same.
253	E. S. Smith.....	438 00	Legal services and personal expenses
254	Wm. Marlow.....	18 00	Janitor services 3 months
255	Geo. Buck.....	52 85	Services as members of Board and personal expenses
256	Frank Fleury.....	36 00	Services as member of Board and personal expenses
257	Western Bank Note Co.....	10 00	Printing
258	Chas. W. Day.....	500 00	Salary as Secretary quarter ending June 30, 1884
259	J. E. Espey.....	42 75	Services as member of Board and personal expenses
260	H. Schroeder.....	49 25	Services as member of Board and personal expenses
261	Chas. W. Day.....	110 80	Postage, telegrams, expressage, etc.
262	Phillips Bros.....	3 00	Printing examination questions
263	Cadogan & Gardner.....	3 75	Printing examination questions
264	G. P. Englehard & Co.....	5 00	Advertising notice of meeting
265	John Morris.....	17 25	2 reams lithographed letter heads
266	E. S. Smith.....	378 82	Legal services and personal expenses
267	T. W. S. Kidd.....	11 75	Printing
267 1/2	J. E. Espey.....	43 55	Services as member of Board and personal expenses
268	Frank Fleury.....	21 00	Services as member of Board and personal expenses
269	Geo. Buck.....	37 25	Services as member of Board and personal expenses
270	H. Schroeder.....	24 35	Services as member of Board and personal expenses
271	Geo. Buck.....	33 35	Services as member of Board and personal expenses, etc.
272	H. Schroeder.....	193 20	Services as member of Board, personal expenses, telegraphing, etc.
273	J. E. Espey.....	60 60	Services as member of Board and personal expenses
274	Chas. W. Day.....	500 00	Salary as Secretary quarter ending Sept. 30, 1884
275	Chas. W. Day.....	153 20	Special trips, expressage, telegr's, postage, etc.
276	E. S. Smith.....	406 41	Legal services and personal expenses, etc.
277	Paul Selby, P. M.....	65 00	Postage stamps
278	The Tribune.....	3 00	Advertising notice of meeting
279	Frank Fleury.....	10 00	Services as member of the Board
280	Phillips Bros.....	4 00	Printing examination questions
281	Turtle Detective Agency.....	15 50	Professional services
282	Journal Company.....	9 75	Printing 4,000 blanks
283	D. W. Bland.....	3 00	Janitor services at examination, Chicago
284	Western News Co.....	1 80	Legal cap paper
285	Frank Simmons.....	3 50	Envelopes and seal wafers
286	Wm. Marlow.....	18 00	Janitor services 3 months
287	Inter Ocean Co.....	1 28	Advertising notice of meeting
288	The Times, Chicago.....	1 05	Advertising notice of meeting
	<i>Amount carried forward</i>	\$14,467 97	

Expenditures—Continued.

No. of Voucher	Name.	Amount.	For What.
	<i>Amount brought forward..</i>	<i>\$14,467 97</i>	
289	J. B. Brown	32 15	Stationery supplies.....
290	J. H. Barkley & Co.....	8 00	Use of tables and chairs, 2 days, for examina- tion.....
291	Helweg & Snape	18 00	Gas fixtures and labor.....
292	Paul Selby, P. M.....	60 00	Postage stamps.....
293	Springfield Journal Co.....	15 00	Printing envelopes, briefs and questions for examination.....
294	J. M. Crane.....	14 45	Services in collecting evidence.....
295	Geo. W. Jones.....	10 00	Fees in Appellate Court.....
296	T. W. S. Kidd	7 60	Printing envelopes and postals
297	G. P. Englehard & Co.....	5 00	Advertising
298	Cadogan & Gardner.....	7 50	Printing examination questions.....
299	The Pharmacist.....	20 00	Advertising notice of meeting, 4 times.....
300	H. W. Rokker.....	9 00	Binding 12 copies Annual Report in morocco.....
301	Geo. Buck	42 25	Services as member of Board and personal expenses.....
302	Geo. Buck	14 00	Services as member of Board and personal expenses.....
303	Wm. Marlow	18 00	Janitor services, 3 months
304	Chas. W. Day	500 00	Salary as Secretary quarter ending Dec. 31, 1884.....
305	Chas. W. Day	120 90	Personal expenses, special trips investigating violations of law, express, telegraphing, etc.....
306	Albert E. Ebert.....	54 00	Services as member of Board and personal expenses.....
307	Frank Fleury	25 00	Services as member of Board
308	Joseph Bennett	50 00	Services for examining books of Board
309	H. Schröder	51 00	Services as member of Board and personal expenses.....
310	J. E. Espey	106 30	Services as member of Board and personal expenses.....
311	Journal Co	13 00	Printing briefs
312	J. E. Espey	25 50	Services as member of Board, personal ex- penses and telegrams
313	Geo. Buck	12 25	Services as member of Board, telegrams and postage
314	Chas. W. Day	42 00	Personal expenses attending meeting, etc.....
315	Western Bank Note Co	90 00	Engraving 4,500 certificates of registration
316	Albert E. Ebert.....	10 75	Services as member of Board and expressage.....
317	H. Schröder	66 50	Services as member of Board, personal ex- penses and telegrams
318	P. W. Harts	2 25	1 qt. gross No. 12 elastic bands
319	J. F. Wollensak	3 50	1 iron letter box
320	Frank Simmons	50 1	1 pint copying ink
321	J. B. Brown	1 35	India ink for writing certificates
322	J. B. Brown	1 00	Mucilage and Arnold's ink
323	E. S. Smith	397 52	Legal services and personal expenses
324	E. S. Smith	373 65	Legal services and personal expenses
325	Wm. Marlow	18 00	Janitor services, 3 months
326	A. H. Andrews & Co.....	177 30	Desk and chairs for office
327	Cadogan & Hatcher	3 75	Printing examination questions
328	G. P. Englehard & Co.....	10 00	Advertising
329	P. W. Harts	25	Elastic bands.....
330	Western Bank Note Co	165 00	Engraving steel plate and for 10 reams letter heads.....
331	Pictorial Printing Co	10 00	Printing examination questions
332	Geo. W. Jones.....	2 75	Costs in Appellate Court
333	Chicago & Alton R. R. Co	5 63	Freight
334	The Western News Co.....	34 55	Stationery for office
335	Chas. W. Day	125 08	Expressage, telegrams and personal expenses
336	Joseph Bennett.....	223 29	Clerical services and personal expenses.....
337	Albert E. Ebert	38 00	Services as member of Board and personal expenses.....
338	Chas. W. Day	500 00	Salary as Sec. quarter ending March 31, 1885.....
339	H. Schröder	79 35	Services as member of Board and personal expenses.....
340	J. E. Espey	76 25	Services as member of Board and personal expenses.....
341	The Pantagraph Co	5 00	Printing examination questions
342	August Leroy	50	Mending lock
343	Turtle Detective Agency.....	29 30	Professional services.....
344	Paul Selby, P. M.....	20 00	Postage stamps
345	Paul Selby, P. M.....	20 00	Postage stamps
	<i>Amount carried forward</i>	<i>\$18,239 89</i>	

CHEMISTRY.

ILLINOIS STATE BOARD PHARMACY.

EXAMINATION FOR LICENTIATES IN PHARMACY.

Name of Candidate.....

Address.....

RULES.

Write your name and address in full at the top of this sheet of questions.

Begin the answer to each question on a new line.

In all your answers, use the official Latin names of the official drugs and preparations mentioned, and be particular to answer fully each question in the order named, being careful not to omit answering in detail each question.

Omitting to answer any part of a question will detract from the average.

Answer the following Personal Questions fully: What has been your course of study in public and other schools, colleges of pharmacy or other institutions for technical training? Have you served an apprenticeship to the drug business; if so, how long, and with whom have you served such?

		Average.
I.	1.—What is an elementary body? 2.—How many elements are at the present time recognized as such? 3.—In what state of aggregation do the elements occur in nature? 4.—Give an example of each class. 5.—What is a compound body? Define what is an acid; a base; a salt.	
II.	1.—What are the chief constituents of the atmosphere? 2.—State the proportion of each. 3.—Are the gases that compose the atmosphere in the state of a mixture, or that of a chemical combination? 4.—Is the density of the atmosphere uniform? If not, to what is this difference due?	
III.	1.—State the relative weight of oxygen, hydrogen and nitrogen. 2.—What is ozone? 3.—How generated, and what are its physical properties in regard to odor? 4.—What effect has it on vegetable colors?	
IV.	1.—What is chlorine? 2.—How generated for the preparation of chlorine water? 3.—Give the official Latin name, and state the percentage of gaseous chlorine in chlorine water. 4.—What Pharmacal compound does chlorine produce when combined with hydrogen? 5.—Give the chief tests for chlorine or a chloride. 6.—State what chemical difference exists, if any, between a chloride and a chlorate.	
V.	1.—What is carbonic acid? 2.—What part does it play in animal and vegetable life? 3.—Is carbonic acid taken up by water, and what peculiar physical property does it impart to it? 4.—Is it lighter or heavier than oxygen, and does it, like this body, support combustion? 5.—When carbonic acid gas is inhaled into the lungs, what are its effects? 6.—When taken into the stomach in form of an aqueous solution, what effect has it on life? 7.—Give a chemical test for the detection of free carbonic acid. 8.—When the acid is in combination with a base, what are the salts called?	
VI.	1.—Sulphur: what is it, how obtained, and its sources of supply? 2.—What chemical compounds does it form with oxygen? 3.—Write in chemical symbols the formula of such as are official in the U. S. Ph., 1880. 4.—What is sulphuric acid, and what are its principal chemical uses? 5.—Give the process of the U. S. Ph. for preparing precipitated sulphur. 6.—Why is hydrochloric acid, and not sulphuric acid, used in the process?	

Examination Questions—Continued.

VII.	1.—Antimony: what is its chemical symbol? 2.—Give the official Latin name of tartarated antimony; also describe briefly its chemical composition, solubility, medical doses, and the proper antidote in toxic doses. 3.—What is the chemical composition of black antimony? 4.—It is said to be largely adulterated as found in the market. What test can be applied to determine its purity? 5.—What is James' Powder, and how prepared according to the U. S. Ph. of 1880?	Average.
VIII.	1. Alcohol: give a brief description of what it is, its sources, and how produced. 2.—Also state in this description what is amyllic, ethylic and methylic alcohol, and from what and how obtained.	
IX.	1.—Starch: from what obtained? Its solubility in water, alcohol, ether and other solvents? 2.—What varieties of starches are official in the U. S. Ph., 1880? 3.—When boiled with a diluted mineral acid, what takes place? 4.—Give a very characteristic color test for starch.	
X.	1.—What per cent. of anhydrous hydrocyanic acid is contained in the official preparation? 2.—Give a test that may be readily employed to determine whether a powder is quinine or morphine. 3.—What is an alkaloid? a glucoside? a resinoid? Name one of each class. 4.—Give the chemical composition of copperas. 5.—Give the chemical composition of blue vitriol. 6.—Give the chemical composition of white vitriol.	

.....Examiner.

PHARMACY.

ILLINOIS STATE BOARD OF PHARMACY.

EXAMINATION FOR LICENTIATES IN PHARMACY.

Write your Name and 1885.
 P. O. Address on
 this line plain., Candidate.

How many years did you serve as an Apprentice?

How many years have you been engaged as a Pharmacist?

Candidates should be particular to answer fully each question in the order named, being careful not to omit answering in detail the several queries comprised in each numbered question.

Omitting to answer any part of a question will detract from the average.

Question No.	Pharmacy.	Answer Average
1.....	<i>Belladonna.</i> <i>Valeriana.</i> <i>Hyoscyamus.</i> Describe what part of the above plants are official in U. S. P. Give geog. source; to what do they yield their active properties, and what does each part of the plant contain; name the several official preparations of each plant.	.....
2.....	Define five fixed oils; state the composition of each; give source, common and official name, and describe their medicinal and pharmaceutical use.	.....
3.....	What percentage of mercury do the following official preparations, contain? <i>Hydrargyrum cum Creta.</i> <i>Massa Hydrargyri.</i> <i>Unguentum Hydrargyri.</i>	.....

Examination Questions—Continued

Question No.	Pharmacy.	Answer Average
4.....	Describe how the following <i>official</i> preparations are made, and name the ingredients used in each: <i>Syr. Tolutanus.</i> <i>Sp. Ammonia Aromaticus.</i> <i>Syr. Ferri Iodidi.</i>	.....
5.....	<i>Suppositories.</i> Describe the different processes and construct a formula for ten, each to contain $\frac{1}{2}$ gr. Extract Belladonna.	.....
6.....	<i>Nux Vomica.</i> To what will it yield its medical properties best; describe the several preparations from it, and give the adult dose of each.	.....
7.....	<i>Powdered Opium.</i> What <i>percen'age</i> of <i>Morphine</i> does the U. S. P., 1880, require it should contain? Give the strength of Tr. Opium; how is the Deodorized Tr. Opium made?	.....
8.....	<i>Percolation.</i> Give brief history and latest theories; principles involved; form of percolator; preparing the drug; moistening and packing; rate of flow; continuous percolation.	.....
9.....	<i>Liquores.</i> Define them briefly; describe how the following two are made: <i>Liquor Arsenii et Hydrargyri Iodidi, Liquor Potassii Arsenitis.</i>	.....
10.....	<i>Gum Resins and Balsams.</i> Name five; give common and Latin name; describe properties and name proper solvent for each.	.....

Examiner, ...

In writing your answers, number them properly, and leave two blank lines between each question.

MATERIA MEDICA. (PHARMACOGNOSY.)

ILLINOIS STATE BOARD OF PHARMACY.

EXAMINATION FOR LICENTIATES IN PHARMACY.

Name of Candidate.....

Address.....

RULES.

Write your name and address in full at the top of this sheet of questions.

Begin the answer to each question on a new line.

In all your answers, use the official Latin names of the official drugs and preparations mentioned, and be particular to answer fully each question in the order named, being careful not to omit answering in detail each question.

Omitting to answer any part of a question will detract from the average.

Answer the following *Personal Questions* fully: What has been your course of study in public and other schools, colleges of pharmacy or other institutions for technical training? Have you served an apprenticeship to the drug business; if so, how long, and with whom have you served such?

I. NUTGALL. 1.—What is nutgall?

2.—How produced, and from what plant?

3.—Give the process how tannic acid is obtained, and what per cent. is present in nutgall.

4.—What are the medicinal properties of tannic acid?

5.—Give some of the chemical incompatibilities of tannic acid.

Average

Examination Questions—Continued.

	Average
II. SAFFRON. 1.—What part and from what plant is it derived? 2.—Is the plant cultivated or found wild? 3.—Is saffron frequently adulterated, and if so, with what? 4.—In what preparations of the Pharmacopœia of 1880 is it a component part? 5.—What is DYER'S SAFFRON? Give its botanical source, and what it is generally employed for in domestic medicine.	
III. FOXGLOVE. 1.—Give the official name and the botanical name of the plant; also state what part of the plant is directed to be gathered, and at what period in the plant's growth. 2.—State is it from the cultivated or from the wild plant that the official drug should be collected? 3.—What care should be observed in preserving its activity, and how often should the stock of the drug be renewed by the apothecary? 4.—What is the special action of the drug on the circulation and on the heart, and what care should be exercised in its administration? 5.—Give the formula for making the infusion; also state the dose, and that of the powdered drug.	
IV. CALUMBA. 1.—What part of the plant is official? Give a brief description of the same as found in the market. 2.—What part of the globe is the plant indigenous to? 3.—What crystallizable principles are contained in calumba, and state if to these the activity of the drug is due. 4.—What plant yields the AMERICAN COLUMBO? It is stated that this variety is often substituted or mixed with the official calumba. How can this substitution or admixture be readily detected? 5.—What solvents are the best for extracting the medicinal properties, and what is the formula for infusion of calumba of U. S. Ph. of 1870?	
V. COLCHICUM. 1.—What part or parts of the plant is official? 2.—What is the common English name of colchicum? 3.—What part of the plant is most active, and to what principle is this activity due? 4.—What preparations of colchicum are official in the U. S. Ph., 1880? Give the average dose for each of the preparations. 5.—Does it grow wild or is it cultivated?	
VI. OLIVE OIL. 1.—Give a brief description of the plant, its official name, habitat, cultivated or wild, from what part of the plant is the oil obtained, and how? 2.—What varieties or grades of the oil are found in the market? State the color, taste and other characteristic properties of such. 3.—With what is olive oil frequently adulterated? Give tests for the detection. 4.—What is its most important constituent, and in how large a proportion does it exist in the oil? 5.—What are its chief uses in medicine, and what preparations of the U. S. Ph. of 1880 is it a component part?	
VII. CASTOR OIL. 1.—Give the Latin official name for the oil, the botanical name of the plant; also state where indigenous, wild or cultivated. 2.—From what part of the plant is the oil obtained? Is the manufacture of the oil a chemical or mechanical process, or a combination of both? 3.—State which is the most active, that prepared by cold pressure, or where heat is employed to extract the oil? Give a reason for this difference in activity, if any exists. 4.—What are the medicinal properties of castor oil, and to what principle or principles is its activity due? State to what class of oils does castor oil belong. 5.—Is any other part of the plant used in medicine excepting the part that yields the oil? If so, for what purpose used?	
VIII. MUSK. 1.—Give a brief history, stating its Latin official name, the Latin zoological name of the animal, the gender of the same, its habits, etc. 2.—The appearance of the drug of the market, the average weight of the pods or sacs; also state what commercial varieties are found in the market, and their comparative value. 3.—State the peculiar physical properties of the drug; also state if it has any medicinal properties, and for what purposes administered, and in what doses. 4.—With what is it adulterated, and what care should be exercised in purchasing the drug? 5.—For what purpose is it principally used in the arts and manufactures? What is the best solvent?	

Examination Questions—Continued.

	Average
IX. YELLOW WAX. 1.—What is it, and by whom prepared? Give a short account, comprising how prepared for the market, its solubility in water, alcohol, ether, turpentine, petroleum-benzine, chloroform, the fixed and volatile oils, etc. 2.—What effect have the concentrated mineral acids, concentrated solutions of the alkalies, ozone and chlorine, heat and cold upon it? 3.—If exposed to moisture, air and light, what changes take place? 4.—What are its most frequent adulterations, and how detected? 5.—Name the preparations of the U. S. Ph. of 1880 of which it is a component part.	
X. 1.—What are the functions in the life and economy of plants of the following organs: Roots, leaves, seeds, flowers. 2.—What gases are inhaled and exhaled by plants? 3.—What must exist to produce the green color in the parts of plants, and what is the name of this green coloring matter? 4.—What is necessary for the germinating of seeds? 5.—What are the usual solid ingredients that make up the cellular structure of the plant?	

Examiner, ...

The specimens for recognition in *Materia Medica* were as follows :

Senega, Valerian.
 Anise, Uva Ursi.
 Fennel, Caraway.
 Wild Cherry, Nux Vomica.
 Cinchona, Rosemary.

Aloes, Paraffin.
 Gamboge, Poppy Heads.
 Ammoniac, Black Pepper.
 Starch, Cocculus Indicus
 Calamus, Galangal.

ILLINOIS STATE BOARD OF PHARMACY.

EXAMINATION FOR LICENTIATES IN PHARMACY.

Candidates should be particular to answer fully each question in the order named, being careful not to omit answering in detail the several queries comprised in each numbered question.

Omitting to answer any part of a question will detract from the average.

PRESCRIPTIONS AND POISONS.

1. How would you prepare this prescription? Is it proper? Give your reasons.

R Tinct: Ferri Mur. : ʒ ii
 Spts: Aetheris Nit : ʒ ss
 Acac: Mucil : ʒ i
 Syrupus Q. S. ut ft. ʒ lii

M. Sig. Teaspoonful after meals.

2. What would you recommend as prompt emetics to evacuate the stomach? For what poison is common salt a specific antidote? What is the antidote for opium or morphine?

3. What is liable to be the result if these two powders are rubbed together? How should they be powdered and mixed?

R Potass: Chloras. ʒ ii
 Acid: Tannic : ʒ ss

M. Fiat. Pulvis. Sig. use as directed.

4. Criticise this prescription:

R Tr: Gualac: Ammon : ʒ i
 Aq: Mentha: plp : ʒ vii

M. Sig. A tablespoonful three times a day.

5. What are the antidotes for poisoning by Tinct. Iodine?

(b) What is the dose?

6. Construct a formula for an emulsion containing one fluid ounce of turpentine, to be administered internally.

7. Give the antidotes for Corrosive Sublimate; Oxalic acid; Tartar emetic.

8. What is the maximum dose of Fluid Extract of Aconite Root? The symptoms of an overdose? What is the antidote?

9. Give symptoms of poisoning by Nitrate of Silver, and antidotes.

10. Is this prescription proper or improper? Give your reasons in either case.

R Hyd: Chlor: Mite ʒ ss
 Potass: Iod : ʒ i
 Taraxac: ext : ʒ ss
 Glycyrrh: Pulv : ʒ qss

M. Fiat. Pil. No. XL. Sig. one pill morning and evening.

Write your name and address here:

.....

LIST OF CASES PROSECUTED SINCE LAST REPORT.

PEOPLE v. W. O. STEINMEYER.

Before D. W. Bagby, J. P., Carlinville.

The defendant was charged with keeping a pharmacy without being registered.

Claimed to have had *eighteen months* experience and in possession of a minor certificate from St. Louis College of Pharmacy.

Judgment \$50 and costs.

PEOPLE v. G. SHAUFFERT, of Millstadt.

August 8, 1884. Before H. Guentz, J. P., Belleville.

The defendant was charged with keeping a pharmacy without a Registered Pharmacist in charge.

Judgment \$50 and costs.

PEOPLE v. J. P. FARIS, Niantic.

August 1, 1884. Before M. E. Lockhart, J. P.

The defendant was charged with keeping a pharmacy without a Registered Pharmacist in charge.

Defendant had a practicing physician who was a Reg. Ph. in his employ, but sold drugs in his absence.

Judgment \$50 and costs.

PEOPLE v. L. S. & E. L. COOK, Snachwine.

August 27, 1884. Before Peter Feltis, J. P., Hennepin, Ill.

Verdict, not guilty.

PEOPLE v. B. E. HOWE, of Malta.

September 29, 1884. Before C. V. Willett, J. P.

Defendant charged with keeping a pharmacy without being registered or having a Reg. Ph. in charge. Claimed to have two practicing physicians Reg. Ph's. in charge.

Trial by jury.

Verdict, not guilty.

PEOPLE v. MAXWELL SCHULTZ, Peoria.

Nov. 28, 1884. Before Bernard Bailey, J. P.

Defendant charged with keeping a pharmacy without being registered or having a Reg. Ph. in his employ.

Judgment \$50 and costs.

PEOPLE v. F. P. GOLLIDAY, Joliet.

December 19, 1884. Before Chas. Hinckel, J. P.

Defendant was a Registered Pharmacist and left his store in charge of a person not registered, who sold drugs and medicines in the absence of a Registered Pharmacist.

Judgment \$50 and costs.

PEOPLE v. PIERPOINT BROS.

February 11, 1885. Before Geo. Meech, J. P., Chicago.

Dismissed.

PEOPLE v. ERNEST PIERPOINT.

February 11, 1885. Before Geo. A. Meech, J. P., Chicago.

Defendant kept a pharmacy at Englewood, Ill., without having in charge a Registered Pharmacist.

Judgment \$50 and costs.

PEOPLE v. HENRY SCHALLER.

January 14, 1885. Before G. A. Meech, J. P., Chicago.

Defendant kept a pharmacy without being registered or having a Registered Pharmacist in charge.

Judgment \$100 and costs.

PEOPLE v. FREDERIC C. WEBER.

January 14, 1885. Before G. A. Meech, J. P., Chicago.

Dismissed.

PEOPLE v. PALMER & KEELER, Rockford.

Before Robert Rew, J. P.

Dismissed.

PEOPLE v. GEO. M. EMERICK, M. D., Chicago.

March 12, 1885. Before Geo. A. Meech, J. P.

Defendant was a Registered Pharmacist and left an unregistered person in charge of his store, who sold drugs and medicines during the absence of a Registered Pharmacist.

Judgment \$50 and costs.

PEOPLE v. D. A. BROWN, of Nunda.

March 25, 1885. Before J. H. Johnston, J. P., Woodstock.

Defendant not registered. Claimed to have a Reg. Ph. (graduate in medicine) in his employ and did not fill any prescriptions or compound any medicines in his absence.

Judgment \$50 and costs.

PEOPLE v. M. G. SHACKLETON.

May 6, 1885. Before G. M. Alexander, J. P., Shabbona.

Defendant not registered. Had a Reg. Ph. (graduate in medicine) in his employ. Claimed not to have filled prescriptions.

Judgment \$50 and costs.

PEOPLE v. JOSEPH SHUGART, M. D., Chicago.

June 9, 1885. Before George A. Meech, J. P.

Defendant was a Registered Pharmacist, and had a drug store with a graduate in pharmacy, who was not registered, in charge.

Judgment \$50 and costs.

PEOPLE v. JOHN D. McKERRACHER, Chicago.

June 9, 1885. Before G. A. Meech, J. P.

Defendant held a certificate from Ontario College of Pharmacy but was not registered in Illinois—was in charge of a drug store for another person—sold drugs and medicines.

Judgment \$50 and costs.

PEOPLE v. S. H. LAMBERT, M. D., AND C. D. PITZER, Assumption.

June 24, 1885. Before J. O. Henderson, J. P., Pana.

Defendants were engaged in drug business. Dr. Lambert was registered and traveling for an insurance company. Mr. Pitzer not registered.

Judgment \$50 and costs.

PEOPLE v. ARCH I. MACLAY, M. D.

June 29, 1885. Before H. M. Gilmore, J. P., Delavan.

Defendant was engaged in the drug business at Delavan—not registered.

Judgment \$50 and costs.

PEOPLE v. ROBT. W. CROTHERS, M. D.

June 30, 1885. Before H. M. Gilmore, J. P., Delavan.

Defendant is an M. D., practicing physician since 1855. In the drug business since 1856—understands the business—not registered.

Judgment \$50 and costs.

PEOPLE v. F. J. C. AND GEO. H. SCHACKMANN.

July 16, 1885. Before F. Nigh, J. P., Newton.

F. J. C. Schackmann was a Registered Assistant Ph. of less than five years experience when the law took effect. Geo. H. was not registered. They were keeping a drug store and claimed that Geo. H. sold no drugs.

Judgment \$50 and costs.

PEOPLE v. M. G. SHACKLETON.

July 10, 1885. Before G. M. Alexander, J. P., Shabbona.

Defendant was charged with keeping a pharmacy without being registered or having a Reg. Ph. in charge.

Dismissed.

PEOPLE v. O. F. STEWART, M. D.

July 10, 1885. Before G. M. Alexander, J. P., Shabbona.

Defendant is a Reg. Ph. and was charged with keeping a pharmacy and permitting persons not registered to sell drugs and medicines in his place of business. Trial by jury, and after the evidence was in, the suit was dismissed by plaintiff.

PEOPLE v. B. E. HOWE & Co.

July 11, 1885. Before J. V. Willett, J. P., Malta.

Defendant was charged with keeping a pharmacy without being registered or having a Registered Pharmacist in charge.

Judgment \$50 and costs.

PEOPLE v. J. A. BADGLEY, M. D.

July 11, 1885. Before J. V. Willett, J. P., Malta.

Defendant, a Registered Pharmacist, was charged with permitting a person not registered to sell drugs and medicines and with failure to renew registration.

Case continued to July 24, 1885.

Suit dismissed at costs of defendant by agreement.

PEOPLE v. HENRY ALBRECHT, Peoria.

July 22, 1885. Before B. Bailey, J. P., Peoria.

Defendant sold laudanum to a person under fifteen years of age and not on a physician's prescription.

Judgment \$5 and costs. This violation of law cost a man his life. The father of the boy in question committed suicide by swallowing the poison. A great many druggists in the State either seem to be in ignorance of the following provision of the Pharmacy law, or else they violate it willfully:

§ 14. No person shall sell at retail any poisons commonly recognized as such, and especially aconite, arsenic, belladonna, biniodide of mercury, carbolic acid, chloral hydrate, chloroform, conium, corrosive sublimate, creosote, croton oil, cyanide of potassium, digitalis, hydrocyanic acid, laudanum, morphine, nux vomica, oil of bitter almonds, opium, oxalic acid, strychnine, sugar of lead, sulphate of zinc, white precipitate, red precipitate, without affixing to the box, bottle, vessel or package containing the same, and to the wrapper or cover thereof, a label bearing the name of the article, and the word "poison" distinctly shown, with the name and place of business of the seller; who shall not deliver any of said poisons to any person under the age of fifteen years, nor shall he deliver any of said poisons to any person, without satisfying himself that such poison is to be used for a legitimate purpose: *Provided*, that nothing herein contained shall apply to the dispensing of physicians' prescriptions of any of the poisons or articles aforesaid. Any person failing to comply with the requirements of this section shall be liable to a penalty of five dollars for each and every such offense.

ABSTRACT OF REGISTER.

ADAMS COUNTY.

REGISTERED PHARMACISTS.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
3018	Northam, C. H.	Sept. 20, 1881	Camp Point.	27	Indiana.	Licentiate in pharmacy in business July 1, 1881.	5 years.
1559	Barfels, Geo. C.	Aug. 10, 1881	"	40	Germany.	"	16 "
1770	Christie, J. O.	Sept. 1, 1881	"	34	Illinois.	"	6 "
1910	Rahner, H. O.	Sept. 1, 1881	"	34	Ohio.	"	7 "
3767	Kirkpatrick, D. Edward.	Sept. 16, 1881	"	18	Illinois.	Licentiate in pharmacy in business July 1, 1881.	3 "
2306	Davis, D. A.	Sept. 20, 1881	Clayton	34	"	"	8 "
2385	Davis, J. W.	Sept. 20, 1881	"	30	Virginia.	"	6 months.
3272	Montgomery, G. W.	Sept. 20, 1881	"	27	Illinois.	"	14 years.
2705	Watson, M. H.	Oct. 12, 1881	"	27	Germany.	Graduate in medicine.	4 "
2135	Ticken, J. D.	Sept. 20, 1881	Coatsburg.	31	W. Virginia	"	3 "
3918	Hawk, Wm. C.	May 5, 1885	Fairweather.	43	Tennessee.	In business July 1, 1881.	10 years.
2704	Sparks, W. L.	Oct. 12, 1881	"	34	Penn.	"	2 "
1343	Stahl, H.	Aug. 31, 1881	Fowler.	40	Illinois.	"	4 "
1495	Cain, Laban.	Aug. 31, 1881	Golden.	53	Penn.	"	8 "
1856	Frey, Tilman X.	Sept. 1, 1881	Liberty.	36	"	"	1 "
1764	Mercer, Geo. D.	Sept. 1, 1881	"	41	Penn.	Graduate in medicine.	7 years.
1401	Clark, Jos.	Aug. 31, 1881	Lima.	46	Illinois.	"	3 months.
1890	Akins, Jas. S.	Sept. 1, 1881	Lorraine	45	"	"	"
3762	Lock, Franklin	Jan. 13, 1885	"	62	Ohio	In business July 1, 1881.	26 years.
3438	Coffield, Jas. C.	Jan. 19, 1885	Mendon	35	Penn.	Graduate in medicine.	30 "
768	Ely, Jared	Aug. 18, 1881	"	23	Vermont.	In business July 1, 1881.	2 "
1567	Crocker, H. A.	Sept. 1, 1881	Payson.	62	Missouri.	"	14 "
1402	Basset, M. F.	Aug. 31, 1881	Quincy.	26	Penn.	"	11 "
646	Boyd, Jas. B.	Aug. 10, 1881	"	52	Germany.	"	31 "
969	Burks, Howard C.	Aug. 19, 1881	"	49	Tennessee.	Graduate in medicine.	40 "
1919	Carley, Chas. E.	Sept. 1, 1881	"	28	New York.	Graduate in pharmacy in business July 1, 1881.	13 "
1484	Cherry, D. S.	Sept. 1, 1881	"	30	Illinois.	"	13 "
1631	Dickhut, C. C.	Sept. 1, 1881	"	30	Illinois.	"	13 "
1310	Durant, Jos. F.	Aug. 31, 1881	"	30	Illinois.	"	13 "
686	Edmann, E.	Aug. 17, 1881	"	30	Illinois.	"	13 "
3279	Evans, Jno. H.	Aug. 23, 1883	"	30	Illinois.	"	13 "
453	Germann, H.	Aug. 9, 1881	"	30	Illinois.	"	13 "

Adams County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1566	Golm, J. Louis.	Sept. 1, 1881	Quincy.	25	Illinois.	Graduate in pharmacy.	8 years.
1568	Hackmann, Frederick W.	Aug. 31, 1881	"	63	Germany.	In business July 1, 1881.	27
1403	Haxel, Chas.	Aug. 31, 1881	"	52	Illinois.	"	27
650	Heidbreder, A. H.	Aug. 10, 1881	"	26	Illinois.	"	12
2070	Heidbreder, J. H.	Sept. 20, 1881	"	54	Germany.	"	6½
2428	Lomelino, J. W.	Sept. 23, 1881	"	23	Illinois.	"	16
1141	Miller, E. H.	Aug. 31, 1881	"	33	Germany.	"	16
1099	Montgomery, R.	Aug. 31, 1881	"	50	Penn.	"	23
1311	Oehlmann, C.	Aug. 31, 1881	"	32	Germany.	"	17
1555	Schreder, H.	Sept. 1, 1881	"	37	Illinois.	"	16
3326	Schmidt, Wm. G.	June 13, 1885	"	30	New York.	Graduate in pharmacy.	4
1142	Selmer, A.	Aug. 31, 1881	"	30	Germany.	In business July 1, 1881.	10
1142	Terdens, Geo.	Aug. 31, 1881	"	33	Germany.	"	17
3215	Winfield, B.	July 14, 1883	"	33	N. Carolina.	Licentiate in pharmacy.	7
1914	Crockett, Frank F.	Sept. 1, 1881	Seehorn.	34	Illinois.	In business July 1, 1881.	15
1345	Denson, John I.	Aug. 31, 1881	Ursa.	36	"	"	2

ALEXANDER COUNTY.

1571	Barclay, Jas. S.	Sept. 1, 1881	Cairo.	50	Kentucky.	In business July 1, 1881.	29 years.
1572	Barclay, P. W.	Sept. 1, 1881	"	48	"	"	30
2968	Bross, I. H.	July 1, 1882	"	24	Illinois.	Licentiate in pharmacy.	5
3117	Coffee, I. N.	April 7, 1883	"	31	Kentucky.	Graduate in pharmacy.	12
3119	Claes, Jno. H.	Aug. 9, 1883	"	38	Illinois.	In business July 1, 1881.	12
3114	Cockwood, J. B.	April 7, 1883	"	38	New York.	"	16
1874	Q'Hara, Geo. E.	Sept. 1, 1881	"	38	Wisconsin.	In business July 1, 1881.	16
2396	Schuh, Paul G.	Sept. 20, 1881	"	43	Germany.	"	17½
3298	Schuh, H. W.	July 17, 1883	"	28	Penn.	"	14½
2506	McTaven, P. H.	Oct. 4, 1881	Clear Creek.	27	Illinois.	Graduate in medicine.	3
1341	Futnam, H. F.	Sept. 1, 1881	Elco.	24	New York.	In business July 1, 1881.	1
1340	Standard, R. F.	Sept. 1, 1881	"	31	Illinois.	"	4
3324	Novotny, J. I.	Oct. 18, 1883	Hodges Park.	34	New York.	Licentiate in pharmacy.	*
945	Brown, Thos. A.	Aug. 9, 1881	Tuebes	29	Illinois.	In business July 1, 1881.	2
1724	Ireland, W. W.	Sept. 1, 1881	Only	23	Missouri.	"	4½

* Since boyhood.

BOND COUNTY.

477 Bennett, Chas. R.	Aug. 9, 1881	Greenville.....	43 Ohio.....	In business July 1, 1881.....	20 years..
780 Oudyn, M. S.	Aug. 18, 1881	"	30 Missouri.....	Graduate in pharmacy.....	2 1/2 "
1569 Newman, Geo. W.	Sept. 1, 1881	"	53 Ohio.....	In business July 1, 1881.....	26 "
476 Watson, Chas. W.	Aug. 9, 1881	"	34 N. Hamp.....	"	7 "
98 Dars, P. C.	Aug. 9, 1881	Mulberry Grove.....	34 Illinois.....	"	14 "
1557 Taylor, Allen	Sept. 1, 1881	Pleasant Mount.....	46 Ohio.....	"	8 "
787 Remick, A. E.	Aug. 18, 1881	Pocahontas.....	20 Illinois.....	"	7 months
1948 Beeson, J. W.	Sept. 1, 1881	Sorento.....	23 Delaware.....	"	6 1/2 years.

BOONE COUNTY.

1375 Church, Cassius M.	Aug. 31, 1881	Belvidere.....	21 Illinois.....	In business July 1, 1881.....	19 years..
2201 Poole, John C.	Aug. 9, 1881	"	30 New York.....	"	10 "
2201 Lewis, L. J.	April 14, 1882	"	31 ".....	"	10 "
21 Longcor, Jno. C.	Aug. 18, 1881	"	54 Ohio.....	In business July 1, 1881.....	20 "
358 Ransom, E. D.	Aug. 18, 1881	"	54 Ohio.....	"	9 "
23 Williams, A. O.	Aug. 3, 1881	"	33 Illinois.....	"	13 "
654 Law, Alb. J. F.	Aug. 10, 1881	"	70 New York.....	"	1 1/2 "
1723 Nesmith, M. F.	Sept. 1, 1881	Capron.....	48 Mich.....	Graduate in medicine.....	1 "
2591 Reynolds, H. U.	July 31, 1882	Poplar Grove.....	"	"	"
983 Briggs, M. C.	Aug. 19, 1881	"	"	"	"
591 Fallerdar, G. C.	Aug. 10, 1881	"	"	"	"

BROWN COUNTY.

2204 Akright, Benj.	Sept. 20, 1881	Bonville.....	63 Penn.....	In business July 1, 1881.....	7 years..
538 Miller, S. D.	Aug. 10, 1881	Mound Station.....	32 Illinois.....	"	7 "
2113 Bowers, J. W.	Sept. 20, 1881	Mt. Sterling.....	36 Penn.....	"	8 "
3754 Braun, Rudolph	Dec. 7, 1884	"	24 New Jersey.....	Graduate in medicine.....	16 years..
1357 Irwin, Chas. N.	Aug. 31, 1881	"	53 Kentucky.....	In business July 1, 1881.....	4 "
1386 O'Neal, Martin A.	Aug. 31, 1881	"	43 Ohio.....	"	6 "
3010 Riekey, C. F.	Sept. 2, 1882	"	41 ".....	Graduate in medicine.....	5 1/2 years..
3445 Riekey, Jno. C.	Jan. 28, 1883	"	35 Kentucky.....	In business July 1, 1881.....	5 "
2523 Wright, Jno. W.	Oct. 4, 1881	Versailles.....	29 Ohio.....	"	5 "
2315 Wilson, S. J.	Sept. 20, 1881	"	"	"	"

BUREAU COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1358	Hathorn, J. E.	Aug. 31, 1881	Arlington.	35	Waine.	Graduate in medicine	5 months.
1671	Frank, Leo.	Sept. 1, 1881	Sept. 1, 1881	34	Germany.	In business July 1, 1881.	11
1784	Boal, Jas. F.	Sept. 1, 1881	Guda.	34	Ohio.	Graduate in medicine.	15 years.
1785	Bo I, Albert D.	Sept. 1, 1881	"	33	"	In business July 1, 1881.	15
1165	Foster, Geo. S.	Aug. 31, 1881	"	33	Illinois.	"	5 months.
1166	Tocmey, Sylvester.	Aug. 31, 1881	"	28	Penn.	"	5
2907	Reed, E. A.	Oct. 5, 1881	Lamelle.	30	Ohio.	Graduate in pharmacy.	16 years.
3761	Hilton, J. H.	Jan. 10, 1885	Malden.	48	Penn.	Graduate in medicine.	10 years.
964	Avery, Albert V.	Aug. 19, 1881	Neponset.	48	Penn.	In business July 1, 1881.	12
189	Stetson, J. M.	Aug. 9, 1881	"	40	Michigan.	"	"
1197	Martin, J. L.	Aug. 31, 1881	New Bedford.	39	Illinois.	Graduate in medicine	8 months.
1424	Hills, Z. S.	Aug. 31, 1881	Ohio	49	Mass.	In business July 1, 1881.	3 years.
2457	Banschbach, Wm.	Oct. 4, 1881	Princeton	44	Germany.	"	9 months.
1011	Cushing, Chas. G.	Aug. 9, 1881	"	28	New York.	"	20 years.
1494	Keeler, Wm.	Sept. 1, 1881	"	28	Germany.	Graduate in medicine	12
1781	Payne, C. W.	Sept. 1, 1881	"	27	Ohio.	In business July 1, 1881.	14 months.
2672	Prince, J. W.	Oct. 12, 1881	"	40	Indiana.	Licentiate in pharmacy.	3 years.
445	Spaker, John I.	Aug. 9, 1881	"	40	Sweden.	In business July 1, 1881.	1 1/2
2167	Warner, Geo. F. Jr.	Sept. 20, 1881	"	26	Illinois.	"	11
1912	Winter, Wm. H.	Aug. 19, 1881	"	55	Penn.	"	31
1385	Woodruff, Geo.	Aug. 31, 1881	"	35	Illinois.	"	1
1391	Woodruff, Wm. S.	Aug. 31, 1881	"	37	Ireland.	"	7
2454	Cunningham, T. N.	Oct. 4, 1881	Sheffield.	37	Illinois.	Graduate in medicine.	1
1085	Rummel, J. R.	Aug. 31, 1881	"	35	Illinois.	In business July 1, 1881.	2 1/2
2676	Stetson, J. E.	Sept. 20, 1881	"	35	Michigan.	Graduate in medicine	6
2508	Dexter, Geo. E.	Aug. 10, 1881	Fiskilwa.	32	Illinois.	In business July 1, 1881.	7
50	Kellogg, Geo. C.	Aug. 9, 1881	"	30	"	"	13
600	Kirkpatrick, Wm.	Aug. 10, 1881	"	64	Ohio.	"	16
2662	Landis, B. F.	Oct. 4, 1881	Van Orde.	30	Penn.	Graduate in medicine.	4
1590	Burrell, Geo. H.	Aug. 31, 1881	Walnut.	37	New York.	In business July 1, 1881.	10
2662	Thompson, J. H.	Oct. 6, 1881	"	47	"	Graduate in medicine	19
2241	Berrett, Jos.	Sept. 20, 1881	Wyanet	36	Ohio.	In business July 1, 1881.	1 1/2
2542	Hitchcock, E. G.	Sept. 20, 1881	"	53	Conn.	"	13
315	Tuttle, O. K.	Aug. 9, 1881	"	28	New York.	"	6

CALHOUN COUNTY.

3783 Smyth, Alcinoas.....	Nov. 24, 1884	Brayton	31 Iowa.....	Graduate in medicine	8 months.
3800 Bell, Henry.....	Sept. 20, 1881		51 England.....	In business July 1, 1881.	2
3813 Barry, George D.....	Jan. 13, 1882	Bellview	40 New York.....	"	12 years.
3836 Barry, P. C.....	Oct. 4, 1881	Hardin	40 Ireland.....	"	3
3876 Temple, John T.....	Sept. 20, 1881	"	38 Missouri.....	Graduate in medicine	3
3897 Marion, Francis E.....	April 25, 1885	"	30		

CARROLL COUNTY.

2125 Allemon, I. H.....	Sept. 20, 1881	Lenark	51 Virginia.....	In business July 1, 1881	19 years.
3315 Galer, Joseph.....	Mar. 17, 1885	"	45 Maryland.....	Graduate in medicine	8 years.
1913 Porter, Placidus P.....	Sept. 1, 1881	"	37 Illinois.....	In business July 1, 1881	12
582 Futerbaugh, H. B.....	Aug. 10, 1881	"	43	"	19
521 Shumway, Alvaro.....	Aug. 10, 1881	"	32	"	10
480 Lawton, Joseph.....	Aug. 9, 1881	Milledgeville.	24	Graduate in pharmacy.	6
2328 Bitner, C. G.....	May 25, 1882	Mt. Carroll	30	Licentiate in pharmacy	11
2873 Duffin, W. D.....	April 14, 1882	"	29	In business July 1, 1881.	2½
720 Foster, A. A.....	Aug. 17, 1881	"	32 Michigan.....	"	14
146 Green, A. M.....	Aug. 9, 1881	"	21 Illinois.....	"	5
1096 Craig, H.....	Aug. 19, 1881	Savannah	33	Licentiate in pharmacy	16
375 Fulford, B.....	Aug. 21, 1884	"	28	In business July 1, 1881	6
817 Smith, A. H.....	Aug. 18, 1881	"	63 New York.....	"	30
1781 Woodruff, Elias.....	Sept. 1, 1881	"	26 Penn.....	"	4
1042 Moyer, John U.....	Aug. 19, 1881	Shannon	20 Ohio.....	"	4
227 Britell, Daniel.....	Sept. 20, 1881	Thomson	54 Vermont.....	"	3
2273 Britell, Emulous.....	Sept. 20, 1881	"	38 New York.....	"	3 months.
2775 Williamson, J. M.....	Dec. 14, 1881	"			

CASS COUNTY.

1188 McCarty, Wm. L.....	Aug. 31, 1881	Arenzville	33 Ohio.....	In business July 1, 1881	1½ years.
1210 Swope, J. M.....	Aug. 31, 1881	"	40 Indiana.....	Graduate in medicine	1
2271 Beaver, I. N.....	Sept. 20, 1881	Ashland	41 Ohio.....	In business July 1, 1881	13
3068 Burnham, A. F.....	May 12, 1884	"	31 Illinois.....	Graduate in medicine	14 years.
2273 Ruggles, A. G.....	Sept. 20, 1881	"	33	In business July 1, 1881	25
803 Rice, Chauncey.....	Aug. 18, 1881	Beardstown	23 New York.....	"	16
761 Rice, J. G.....	Aug. 18, 1881	"	23 Illinois.....	"	9
1693 Spring, Charles M.....	Sept. 1, 1881	"	30		

Cass County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
889	Unland, W. G.	Aug. 19, 1881	Beardstown	35	Illinoia.	Graduate in medicine	2 years..
769	Morse, John C.	Aug. 18, 1881	Chandlerville	30	Ohio	In business July 1, 1881	10 "
2907	Read, Ira N.	Oct. 4, 1881	..	32	Ohio	..	9 "
2103	Colladay, S. M.	Sept. 20, 1881	Virginia	..	..	Graduate in medicine	6 "
500	Gatton, C. B.	Aug. 10, 1881	..	31	Illinoia.	In business July 1, 1881	1 1/2 "
3645	Hubbard, Charles M.	July 24, 1884	..	36	N. Hamp	Graduate in medicine	5 years..
2346	Smith, D. G.	Oct. 4, 1881	..	31	Illinoia.	..	17 "
677	Wood, Wm. B.	Aug. 10, 1881	..	34	..	In business July 1, 1881	..

CHAMPAIGN COUNTY.

157	Cunningham, A. P.	Aug. 9, 1881	Champaign	48	New York	In business July 1, 1881	15 years..
2097	Faulkner, L. W.	Sept. 20, 1881	..	49	New York	..	9 "
1335	Faulkner, Watson	Aug. 31, 1881	..	27	Wisconsin	..	15 "
1329	Karlher, H. C.	Aug. 31, 1881	..	33	Ohio	..	21 "
2944	Maxwell, W. S.	July 1, 1882	..	43	Penn.	In business July 1, 1881	10 "
57	Mollett, B.	Aug. 9, 1881	..	25	Illinoia.	..	7 months.
1978	McAllister, E. N.	Sept. 1, 1881	..	44	Vermont	..	5 "
58	Swannell, H.	Aug. 9, 1881	..	43	England	..	9 "
1364	Loreau, Ernst	Aug. 31, 1881	Dewey	39	Germany	..	3 1/2 "
318	Latser, W. J.	Aug. 9, 1881	Fisher	26	Penn.	..	3 1/2 "
2498	Pollock, R. M.	Oct. 4, 1881	Fooland	33	..	..	3 1/2 "
316	Morse, J. M.	Aug. 9, 1881	Gifford	45	New York	..	4 1/2 "
2896	Stevenson, W. F.	April 14, 1882	..	21	Illinoia.	Licentiate in pharmacy	3 1/2 "
165	Mudge, E. T.	Aug. 9, 1881	Homer	30	Indiana	In business July 1, 1881	10 "
959	Smith, F. M.	Aug. 9, 1881	..	39	..	..	7 "
2797	Ludon, J. A.	Dec. 14, 1881	..	31	Ohio	In business July 1, 1881	4 1/2 "
235	Morris, M. H.	Aug. 9, 1881	Ivesdale	28	Ireland	..	3 1/2 "
458	Hiz, Frank A.	Aug. 9, 1881	Ludlow	27	Illinoia.	Graduate in medicine	2 "
3556	Bartholow, Emory C.	May 1, 1881	Mariomet	39	Ohio	In business July 1, 1881	17 years..
324	Carson, J. A.	Aug. 10, 1881	..	38	Illinoia.	..	..
3867	Barland, W. O.	Dec. 24, 1883	..	31	Indiana	Graduate in medicine	..
665	Cox, John S.	Aug. 9, 1881	Ogden	50	Ohio	In business July 1, 1881	10 years..
3627	McKinney, Oliver B.	May 23, 1883	Peñfield	32	Indiana	Graduate in medicine	..
3188	Walker, J. E.	July 13, 1883	..	38	..	..	..
363	Parker, C. E.	Aug. 19, 1881	Philo	37	Mass	..	5 years..

1083 Beard, James M.	Aug. 31, 1881	Rantoul	Illinois	In business July 1, 1881.	8
1082 Neal, A. P.	Aug. 31, 1881	"	Ohio	"	6
1043 Rollins, J. S.	Aug. 1, 1881	"	England	"	7
1088 Steele, Daniel	Sept. 1, 1881	"	Ireland	"	12
1041 Shoemaker, George A.	Aug. 19, 1881	St. Joseph	Ohio	"	1
1249 Stevenson, Lewis E.	Aug. 31, 1881	"	"	"	8½
723 Clark, J. B.	Aug. 17, 1881	Raymour	Indiana	"	5½
874 Brady, C. M.	Aug. 3, 1881	Sidney	Illinois	Graduate in medicine	1 yr. 5 m's
8721 Burres, W. F.	Oct. 22, 1881	"	"	"	"
3164 Bess, A.	Jan. 30, 1881	"	Indiana	"	"
3398 Rutenbrod, W. L.	Jan. 5, 1881	"	Ohio	"	10 days
2439 Vernon, Charles A.	Oct. 5, 1881	"	"	"	7 years
215 George, Robert W.	Sept. 20, 1881	Thomasboro	"	In business July 1, 1881	"
163 Fay, Andrew F.	Aug. 9, 1881	Tolono	New York	"	12
9 Harvey, Rufus A.	Aug. 9, 1881	"	Illinois	"	8
8 McNichols, A. W.	Aug. 9, 1881	"	Ohio	"	10
1041 Hunt, J. E.	Aug. 19, 1881	Urbana	Illinois	Graduate in medicine	10½
354 Knowlton, W. M.	June 7, 1881	"	Vermont	Graduate in medicine	21 years
1170 Sim, Wm.	Aug. 31, 1881	"	Maryland	In business July 1, 1881	"
386 Sima, W. B.	Nov. 22, 1883	"	Tennessee	Graduate in medicine	47

CHRISTIAN COUNTY.

303 Brown, Samuel D.	Aug. 9, 1881	Assumption	Illinois	In business July 1, 1881	3½ years
5 Denny, John A.	Aug. 9, 1881	"	W. Virginia	Graduate in medicine	8
3238 Holt, John F.	June 24, 1883	"	Illinois	"	"
3800 Johnson, R. W.	Feb. 23, 1883	"	Ohio	"	"
360 Lambert, S. H.	Aug. 9, 1884	"	Penn.	In business July 1, 1881	2 years
2193 Long, Isaac L.	Oct. 4, 1881	Edinburg	Illinois	"	5
347 Brownback, C. J. M.	Aug. 9, 1881	"	"	"	5
2896 Harrington, G. P.	Oct. 12, 1881	"	"	Graduate in medicine	12 years
3618 Millikan, Geo. W.	July 3, 1884	"	Ohio	In business July 1, 1881	"
1630 Powers, Erasmus D.	Aug. 19, 1881	"	"	"	"
1397 Martin, Leroy	Aug. 31, 1881	Morrisonville	Illinois	"	14
1621 Steen, Geo. H.	Sept. 1, 1881	"	Indiana	"	13
1620 Steen, Jos. W.	Sept. 1, 1881	"	"	"	3
3489 Simmons, A. B.	Dec. 27, 1883	"	Ohio	Graduate in medicine	"
3252 Thompson, J. B.	July 20, 1883	"	Illinois	In business July 1, 1881	10 years
2752 Davis, Chas. E.	Dec. 14, 1881	Mt. Auburn	"	"	3
2753 Davis, Dial	Dec. 14, 1881	"	"	"	8
1871 Matthew, John B.	Sept. 1, 1881	"	Ohio	Graduate in medicine	3
2217 Cussalus, J. S. C.	Sept. 20, 1881	Owaneco	"	"	4
918 Spooner, P. B.	Aug. 19, 1881	Palmer	Indiana	In business July 1, 1881	7

Christian County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
2302	Butts, Gabriel C.	April 14, 1883	Pana.	44	Ohio	In business July 1, 1881	13 years
2455	Coyner, Robt. C.	Oct. 4, 1881	"	43	"	"	15 "
508	Gossmann, F. A.	Aug. 10, 1881	"	27	Germany	"	3 "
509	Gossmann, Otto	Aug. 10, 1881	"	36	"	"	16 "
1639	Hieglus, L. J.	Sept. 1, 1881	"	54	Ohio	"	20 "
284	Nichols, P. M.	Aug. 9, 1881	"	49	W. Virginia	"	"
1988	Witmann, G. A.	Sept. 20, 1881	"	23	Illinois	Licentiate in pharmacy	6 "
105	Fenner, John B.	Aug. 9, 1881	Sharpsburg	31	Rhode Isl'd	In business July 1, 1881	5 "
3119	Alverson, E. M.	April 12, 1883	Stonington	29	Missouri	Licentiate in pharmacy	4 "
1478	Bauer, J. T.	Sept. 1, 1881	"	29	Penn.	In business July 1, 1881	3 "
1183	Crocker, Arthur	Aug. 31, 1881	Taylorville	24	Illinois	"	7 "
2118	Jayne, Henry	Sept. 20, 1881	"	43	"	Licentiate in pharmacy	14 "
3525	Pittman, William	April 12, 1881	"	31	Ohio	In business July 1, 1881	5 "
405	Seaman, Albert	Aug. 9, 1881	"	45	Ohio	"	17 "
679	Williams, M.	Aug. 17, 1881	"	28	Indiana	"	14½ "

CLARK COUNTY.

2171	Boyd, Henry A.	Sept. 20, 1881	Casey	48	Penn.	In business July 1, 1881	16 years
702	Goble, C. O.	Aug. 18, 1881	"	39	Illinois	"	3½ "
1838	Lee, H. B.	Sept. 1, 1881	"	31	"	"	3 "
408	Wealand, G. R.	Aug. 9, 1881	Clarksville	35	Ohio	"	9 "
3355	Comstock, I. N.	Nov. 13, 1883	Dalson	28	Illinois	Graduate in medicine	"
2015	Volkers, Lewis	Sept. 20, 1881	Dennison	44	Germany	In business July 1, 1881	8 years
2534	Bland, P. L.	Oct. 4, 1881	Marshall	43	Kentucky	Graduate in medicine	15 "
2391	James, Milo	Sept. 20, 1881	"	24	Indiana	In business July 1, 1881	8 "
1068	Pardunn, C. A.	Aug. 31, 1881	"	28	New Jersey	"	6 "
299	Fasig, Samuel A.	Aug. 9, 1881	Martinsville	35	Ohio	"	3½ "
3337	Shink, F. J.	April 12, 1881	"	36	Indiana	Licentiate in pharmacy	11 "
2388	Gunn, Otis J.	Sept. 20, 1881	Walnut Prairie	35	Indiana	In business July 1, 1881	5 "
1281	Gwen, M. G.	Aug. 31, 1881	Westfield	38	"	"	10 "
338	Houghton, R.	Aug. 18, 1881	"	33	Illinois	"	9 "
423	Murphy, D. A.	Aug. 9, 1881	West Union	29	Indiana	"	2 "
991	Ketchum, E.	Aug. 19, 1881	York	51	Illinois	"	7 "

CLAY COUNTY.

2368	Murvin, John	Sept. 20, 1881	Bible Grove	39 Illinois	In business July 1, 1881	1 1/2 years.
1583	Culter, John W	Sept. 1, 1881	Clay City	40 Ohio	"	6 months.
1564	Doherty, Tony S	Sept. 1, 1881	"	23 Louisiana	"	10 months.
283	Michels, L. A	Aug. 9, 1881	Flora	36 Illinois	"	14 years.
1588	Southwick, I. H	Sept. 1, 1881	"	29 "	"	4 1/2 "
104	Wilson, Thos. A	Aug. 9, 1881	"	32 "	"	8 "
1061	Blair, Jas. H	Aug. 19, 1881	Hord	24 "	"	3 "
2823	Craig, Joshua B	May 3, 1882	Graham	30 Indiana	"	1 month.
348	Patrick, Isaac A	Aug. 9, 1881	Ida	"	"	4 months.
1316	Gannon, H	Aug. 31, 1881	"	45 "	"	4 years.
3265	McNown, H. A	Nov. 13, 1883	Louisville	21 Ohio	Graduate in medicine	"
288	McNown, W. A	Aug. 9, 1881	"	23 "	"	5 years.
1169	Winans, Wilson C	Aug. 31, 1881	"	50 "	In business July 1, 1881	23 "
2381	Laswell, S. H	Sept. 20, 1881	Oskaloosa	33 Indiana	"	4 "
2240	Laswell, Jas	Sept. 20, 1881	"	94 Kentucky	"	10 "
1489	Gauger, John R	Aug. 31, 1881	Xenia	42 Illinois	"	9 months
233	Vancey, E. M	Aug. 3, 1881	"	21 Indiana	"	20 years.
183	Porter, Asa H	Aug. 9, 1881	"	47 "	"	"

CLINTON COUNTY.

97	Friedrich, H. W. A	Aug. 9, 1881	Aviston	32 Prussia	In business July 1, 1881	11 years.
1348	Gissy, Chas. J	Aug. 31, 1881	Breesa	52 Germany	Graduate in medicine	24 "
812	Berger, Geo. H	Aug. 18, 1841	Carlyle	27 Illinois	Graduate in pharmacy	12 "
811	Berger, Matthew	Aug. 18, 1881	"	33 "	In business July 1, 1881	5 "
1982	Harlan, J. M	Sept. 1, 1881	"	19 "	"	9 "
3696	Michels, Jno. B	July 2, 1884	"	17 Missouri	Licentiate in pharmacy	3 1/2 "
1989	Winhelm, G	Sept. 1, 1881	"	46 Germany	In business July 1, 1881	31 "
2116	Baker, Chas. E	Sept. 20, 1881	Clement	44 Ohio	In business in medicine	8 "
3633	Hays, W. T	July 11, 1884	Keysport	36 Kentucky	"	"
9456	Ford, G. V	Feb. 16, 1881	"	35 "	"	"
533	Kueler, M. L	Aug. 10, 1881	New Memphis	39 Illinois	In business July 1, 1881	4 years.
3689	Carl, W. T	Sept. 27, 1881	Trenton	21 "	Graduate in pharmacy	4 1/2 "
478	Meguire, John	Aug. 9, 1881	"	50 Penn	In business July 1, 1881	7 "

COLES COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
2532	Hobart, J. R.	Oct. 4, 1881	Ashmore	40	Ohio	Graduate in medicine.	5 years.
429	Robertson, A. T.	Aug. 9, 1881	Charleston	47	Tennessee		6
1224	Barnes, Silas	Aug. 31, 1881	Charleston	34	Indiana	In business July 1, 1881.	17
1573	Calvert, D. H.	Sept. 1, 1881	"	40	Missouri		5
640	Neal, Jas. W.	Aug. 10, 1881	"	30	Illinois	Graduate in medicine.	1
2801	Robertson, J. C.	April 14, 1882	"	29	Indiana		5 1/2
638	Tirrell, H. L.	Aug. 10, 1881	"	25	Ohio	In business July 1, 1881.	7
1723	Stewart, Hugh L.	Sept. 1, 1881	Humboldt	54	Kentucky		27
2459	Wilson, O. L.	Jan. 12, 1882	Janesville	24	Indiana	Licentiate in pharmacy	2
1333	Coppage, W. R.	Aug. 31, 1881	Mattoon	38	Ohio	In business July 1, 1881.	15
2244	Easterday, J. S.	Sept. 20, 1881	"	27	Illinois	"	8
3176	Kilner, W. L.	July 2, 1883	"	24	England	"	6
58	Kilner, Geo. T.	Aug. 9, 1881	"	60	England	In business July 1, 1881.	21
59	Kilner, Jos. A.	Aug. 9, 1881	"	30	Connecticut		18
2572	McFall, David M.	Oct. 4, 1881	"	46	Indiana	Graduate in medicine.	6 months.
324	Moore, Levi C.	Aug. 9, 1881	"	22	Indiana	In business July 1, 1881.	5 1/2 years.
1352	Oblinger, D. H.	Aug. 31, 1881	"	40	Ohio		29
1666	Stevens, A.	Sept. 1, 1881	"	45	Indiana	"	15
2881	Vierkoetter, Chas.	Oct. 12, 1881	"	27	Germany	Licentiate in pharmacy	15
1932	Weaver, Thos. R.	Sept. 1, 1881	"	41	Penn.	In business July 1, 1881.	15
3053	Wilson, O. L.	Nov. 6, 1882	"	28	Indiana	Graduate in pharmacy	12
805	Crawford, D. W.	Aug. 18, 1881	Oakland	25	Indiana	In business July 1, 1881.	2
807	Gregory, Wm. G.	Aug. 18, 1881	"	24	Illinois		3 months.

COOK COUNTY—CHICAGO.

3826	Abell, N. W.	July 9, 1881	4300 State st.	44	Kentucky	Graduate in medicine.	6 years.
2851	Abbott, F. L.	July 1, 1882	240 Wabash ave.	23	New York	Graduate in pharmacy	16
254	Ackerman, G. H.	Aug.	"	30	Germany		7
3768	Ackerman, Albert E.	Jan. 16, 1885	165 E. Erie	22	"	Licentiate in pharmacy	2
970	Ackley, Ira L.	Aug. 19, 1881	201 W. Randolph	23	Iowa	In business July 1, 1881.	30
148	Adams, J. L.	Sept. 1, 1881	225 31st st.	47	New York		4
3616	Adams, J. W.	July 2, 1884	3501 Cottage Grove ave.	38	Illinois	Graduate in pharmacy.	6 1/2 years.
3123	Akers, J. W.	Oct. 24, 1881	9458	22	"	Graduate in medicine.	6 1/2 years.
3742	Ahlborn, F. H.	Dec. 2, 1884	124 Clybourn ave.	23	New York	Graduate in pharmacy	6 1/2 years.
3829	Allen, A. F.	June 2, 1885	813 W. Harrison	23	New York	Graduate in medicine.	6 1/2 years.

1102 Allen, Chas. B.	Aug. 31, 1881	61 N. State	41 New York	In business July 1, 1881	25 years
1382 Allen, Chas. B.	Aug. 2, 1881	3483 Cottage Grove ave.	22 Penn.	Graduate in pharmacy	15
3618 Andrews, C. H.	July 2, 1881	240 Wabash ave.	22 New York	"	5 1/2
3821 Aldenoven, C. H.	April 11, 1881	2503 S. Halsted	27 Germany	"	10
3615 Angear, W. J. S.	July 2, 1881	1002 W. Madison	21 Wisconsin	"	5
846 Arndt, Augustus	Aug. 18, 1881	189 Madison	46 Germany	In business July 1, 1881	30
2965 Armbricht, Wm.	July 1, 1881	724 W. Lake	24 W. Virginia	Licentiate in pharmacy	4
3166 Armbricht, Louis	July 2, 1881	724 W. Lake	24 Kentucky	Graduate in pharmacy	5 1/2
3403 Armstrong, F. W.	Jan. 12, 1881	220 Randolph	23 Canada	Licentiate in pharmacy	6
2117 Axner, John F.	Sept. 20, 1881	128 Oak	38 Sweden	In business July 1, 1881	31
3522 Bach, August	Oct. 12, 1881	748 Elston ave.	28 Germany	Licentiate in pharmacy	2
3591 Baer, A. W.	April 12, 1881	491 W. Madison	21 Ohio	"	3
1108 Baker, John M.	April 31, 1881	111 Randolph	34 Ohio	In business July 1, 1881	19
2522 Baker, William	Sept. 30, 1881	2888 Archer ave.	46 Ireland	"	18
3404 Baker, H. C.	Jan. 12, 1881	638 W. Madison	27 Wisconsin	Licentiate in pharmacy	9
13 Barber, R. M.	Aug. 9, 1881	638 W. Madison	27 New York	In business July 1, 1881	12
92 Barber, Geo. L.	Aug. 9, 1881	524 W. Madison	40 Ohio	"	2
1287 Bartlett, N. Gray	Aug. 31, 1881	92 Twenty-second	40 Kentucky	"	20
515 Basse, Wm. H. F.	Aug. 10, 1881	663 S. Halsted st.	59 Germany	"	33
3506 Bauman, G. E.	April 12, 1881	3850 State st.	21 Illinois	Licentiate in pharmacy	3
3209 Baer, Hugo F.	Oct. 5, 1881	189 W. Madison	21 Wisconsin	Graduate in pharmacy	11
3826 Bayly, F. L.	April 16, 1881	Lincoln ave.	20 Canada	Licentiate in pharmacy	3
1803 Beare, O. J. H.	Aug. 18, 1881	834 W. Madison	42 New York	In business July 1, 1881	8
1892 Beale, Geo. H.	Sept. 1, 1881	123 State st.	33 Maine	Graduate in pharmacy	13
56 Beckwith, H. J.	Aug. 9, 1881	394 Drexel Boul.	43 England	In business July 1, 1881	28
179 Behrens, Thos. R.	Aug. 10, 1881	241 S. Canal	24 Germany	"	10
1771 Baseler, Carl F.	Sept. 1, 1881	415 N. ave.	32 "	"	17
3244 Behrens, M. A. J.	July 23, 1881	572 W. Madison	27 "	"	8
3547 Behrens, T. J.	April 18, 1881	727 W. Indiana	32 "	"	5
3688 Benz, C. W.	Sept. 27, 1881	453 Milwaukee ave.	25 Wisconsin	Graduate in pharmacy	8
3719 Benz, W. M.	Oct. 21, 1881	453 Milwaukee ave.	23 Sweden	In business July 1, 1881	8
2536 Berglund, J. F. A.	Oct. 5, 1881	107 Chicago ave.	25 Illinois	Graduate in medicine	8
3789 Binkley, J. T., Jr.	Feb. 4, 1881	210 Wabash ave.	25 Illinois	"	20 years
900 Biroth, Henry	Aug. 19, 1881	2127 Archer ave.	42 Germany	Licentiate in pharmacy	3
3191 Biscoff, H. A.	July 14, 1881	451 LaSalle st.	21 Wisconsin	Graduate in pharmacy	10
697 Biscoff, E. G. F.	Aug. 17, 1881	182 State st.	27 "	Licentiate in pharmacy	4 1/2
2574 Bishop, A. S.	Oct. 12, 1881	572 W. Madison	27 New York	In business July 1, 1881	17
1368 Blahuk, Lorenz	Aug. 31, 1881	88 W. Eighteenth	35 Europe	Graduate in medicine	20 years
3804 Blank, Henry	Feb. 24, 1881	267 Hermitage ave.	24 Wisconsin	In business July 1, 1881	22
261 Blood, I. W.	Aug. 9, 1881	3109 Archer ave.	36 England	"	17
1109 Block, Wm. F.	Aug. 31, 1881	44 Monroe	38 Germany	"	22
1413 Bodemann, Wilhelm	Aug. 31, 1881	239 State st.	35 "	"	17
2904 Bonhelm, B.	April 14, 1881	717 Milwaukee ave.	25 "	"	8
2987 Borchardt, Julius	Sept. 20, 1881	735 W. Madison	40 New York	In business July 1, 1881	10
1059 Borland, L. W.	Aug. 19, 1881	378 W. Van Buren	47 Illinois	"	16
1060 Borland, M. C.	Aug. 19, 1881	378 W. Van Buren	49 "	"	4
2611 Bovell, G.	Oct. 5, 1881	2506 Archer ave.	24 Sweden	Graduate in pharmacy	5
3162 Boyle, Jno. G.	June 13, 1881	46 Monroe	24 Ontario	"	7

City of Chicago—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1221	Howen, Chas. F.	Aug. 18, 1881	338 W. Madison.	22	Michigan	In business July 1, 1881.	5 years
479	Grabbrook, J. F.	Aug. 9, 1881	160 W. Harrison.	41	Mass.	"	23
3894	Brabrook, W. A.	April 20, 1885	296 Ogden ave.	21	Illinois	Graduate in pharmacy.	4
3165	Burkholder, Jacob.	Jan. 12, 1884	52 Lake st.	22	Canada	"	2 1/2
3095	Grandes, E.	Jan. 12, 1883	340 S. Clark st.	22	Illinois	Licentiate in pharmacy.	3
3291	Brann, Jno. A.	Sept. 3, 1883	3100 Wentworth ave.	22	Austria	"	8
3235	Gonheim, Lee M.	Sept. 3, 1883	1150 W. Lake st.	24	Germany	"	6
1841	Brann, Thos.	Sept. 1, 1881	351 Clark st.	34	Austria	In business July 1, 1881.	13
1312	Brendecke, A. C.	Aug. 31, 1881	608 W. Chicago ave.	33	Germany	"	20
2375	Breves, C.	April 14, 1882	238 N. ave.	29	"	Licentiate in pharmacy	10
3855	Breves, Herman	April 16, 1885	291-296 S. Halsted st.	23	"	"	3
3856	Brown, H. B.	April 12, 1884	1248 W. Madison st.	23	England	"	3
3376	Button, Chas. E.	Dec. 8, 1883	144 W. Van Buren st.	27	Michigan	Graduate in pharmacy	4 1/2 years.
3208	Brooke, Firmen C.	Jan. 13, 1882	38th st. and Archer ave.	44	Norway	Graduate in medicine	12
2665	Brunn, Nicolai	Oct. 6, 1881	286 W. Indiana st.	53	England	Graduate in pharmacy	40
2141	Buck, Geo.	Sept. 20, 1881	State and Madison sts.	29	New York	In business July 1, 1881.	11
1600	Buchman, H. W.	Sept. 1, 1881	484 State st.	35	Canada	Graduate in pharmacy	6
1136	Burlingham, L.	Aug. 31, 1881	351 W. Clark st.	36	Germany	In business July 1, 1881.	16
1369	Bush, Frank C.	Aug. 31, 1881	363 S. Halsted st.	12	Illinois	Graduate in pharmacy	5
2397	Bush, J. A., Jr.	July 12, 1882	Clark and Madison st.	22	Ohio	"	13
3310	Boysen, Lewis C.	Oct. 1, 1883	310 Clark st.	37	"	Graduate in medicine	2 1/2
124	Camp Chas. D.	Aug. 9, 1881	341 W. Adams st.	31	Penn.	In business July 1, 1881.	5
301	Caldwell, F. C.	Aug. 12, 1883	3293 Cottage Grove ave.	24	Illinois	Licentiate in pharmacy	3 1/2
3122	Cartier, H. W.	Aug. 31, 1881	Handolph and State st.	29	Wisconsin	Graduate in pharmacy	7 months
1408	Casey, Jas.	Aug. 9, 1881	3063 Cottage Grove ave.	29	New York	In business July 1, 1881.	16 years.
452	Charbonnel, A. E.	Sept. 1, 1881	237 N. Clark st.	32	Denmark	Graduate in pharmacy	11
1898	Cheney, Lucian P.	Nov. 13, 1883	1625 N. Clark st.	26	Europe	In business July 1, 1881.	34
3353	Christensen, H. A.	Sept. 20, 1881	285 W. Van Buren st.	25	Illinois	"	13
2256	Christian, J. T.	Aug. 10, 1881	481 1/2 Blue Island ave.	40	Canada	"	13
520	Church, F. L. W.	Dec. 14, 1881	525 Van Buren st.	49	Germany	"	13
2712	Clancy, C. L.	Sept. 1, 1881	822 W. Madison st.	23	Illinois	Graduate in pharmacy	5
1635	Clactus, Chas. E.	Aug. 5, 1882	527 S. State st.	30	"	In business July 1, 1881.	6
2999	Clapp, C. B.	Aug. 9, 1881	511 State st.	30	"	"	2 1/2
1497	Clark, Herbert.	Sept. 1, 1881	253 Dearborn st.	21	Ontario	Licentiate in pharmacy	8
3038	Clarke, C. F.	Oct. 16, 1882	626 W. Lake st.	36	"	Graduate in medicine	8
3440	Clarke, B. S.	Oct. 16, 1882	1003 Madison st.	28	New York	"	8
3340	Clarke, F. F.	Nov. 5, 1883	282 State st.	28	"	"	8

1099	Glass, O. F.	Aug. 31, 1881	881 N. Halsted st.	48	Germany.	Graduate in medicine	30 years.
840	Coleman, John F.	Aug. 18, 1881	132 State st.	22	Illinois	Graduate in pharmacy	8
2738	Coleman, M. A.	Dec. 14, 1881	829 W. Van Buren st.	26	Michigan	In business July 1, 1881	5
3877	Colwell, W. M.	April 16, 1885	51 Lake st.	20	Ohio	Licentiate in pharmacy	5
1412	Conrad, John	Aug. 31, 1881	239 State st.	24	Wisconsin	Graduate in pharmacy	4
3193	Collins, Albert	July 14, 1883	1301 State st.	21	Illinois	Licentiate in pharmacy	2
2977	Conrad, Julius	July 20, 1883	275 Archer ave.	23	Wisconsin	Graduate in pharmacy	7
3669	Corr, A. L.	Aug. 16, 1881	1001 State st.	23	Michigan	Graduate in medicine	2
1419	Corke, Geo. L.	Aug. 31, 1881	Cor. State and Randolph	23	Illinois	Graduate in pharmacy	7 years.
704	Couch, H. C.	Aug. 17, 1881	884 W. Madison st.	26	Maine	In business July 1, 1881	7
3997	Cowan, A. S.	Jan. 12, 1881	145 N. Clark st.	28	Ohio	Licentiate in pharmacy	3
2812	Crawford, S. W.	Oct. 5, 1881	72 N. Clark st.	28	Ontario	Licentiate in pharmacy	5
2813	Crosley, John	Oct. 5, 1881	1301 State st. and Wabash ave.	24	Canada	Graduate in pharmacy	8 1/2
3812	Culver, G. H.	July 2, 1884	3801 Cottage Grove ave.	24	New York	"	9
1117	Dale, Wm. M.	Aug. 31, 1881	135 Clark st.	39	Scotland	In business July 1, 1881	25
3099	Darrow, J. E.	Jan. 18, 1883	113 29th st.	29	Illinois	Licentiate in pharmacy	12
2882	Davis, H. G.	Oct. 12, 1881	4219 Bellevue ave.	26	"	Graduate in pharmacy	11
3339	Davidson, J. L. T.	June 2, 1881	884 W. Madison st.	25	Penn.	Graduate in pharmacy	7
1887	Dei, Jos.	Sept. 21, 1881	276 W. Madison st.	33	New York	In business July 1, 1881	34
2270	Delbridge, J. B.	Sept. 10, 1881	48 E. Madison st.	31	Illinois	Licentiate in pharmacy	12
3699	Dessau, W. F.	Oct. 6, 1884	430 W. Randolph st.	21	Illinois	Licentiate in pharmacy	4
1587	Dodge, F. W.	Sept. 1, 1881	182 W. 12th st.	37	Vermont	In business July 1, 1881	21
3859	Doepf, W. L.	April 16, 1885	675 W. Lake st.	21	Illinois	Licentiate in pharmacy	4
1275	Dougherty, Wm.	Aug. 31, 1881	291 31st st.	32	Michigan	In business July 1, 1881	4
1520	Doolittle, Darwin	Sept. 1, 1881	165 18th st.	28	Penn.	"	5
2642	Doolittle, Wm. H.	Oct. 5, 1881	165 18th st.			Graduate in medicine	
3832	Downer, C. L.	Mch. 31, 1885	337 S. Leavitt st.	27	Illinois	In business July 1, 1881	34 years.
1135	Dreier, Emil	Aug. 31, 1881	259 Milwaukee ave.	48	Denmark	Licentiate in pharmacy	5
3861	Dreier, Otto A.	April 16, 1885	259 Milwaukee ave.	21	Illinois	Licentiate in pharmacy	8
2998	Drewitz, A. C.	July 1, 1882	274 Sedgwick st.	28	Prussia	"	7
3860	Driscoll, J. E.	April 16, 1885	210 S. Clark st.	25	Iowa	Licentiate in pharmacy	16
416	Druehl, F. A.	Aug. 9, 1881	422 W. 12th st.	30	Germany	In business July 1, 1881	7
1579	Duncan, David	Sept. 1, 1881	131 S. Clark st.	33	New York	Graduate in medicine	15
1800	Duncan, Thos. C.	Sept. 1, 1881	131 S. Clark st.	41	Scotland	Graduate in pharmacy	8
1380	Dunham, Wm. F.	Aug. 31, 1881	67 W. Van Buren st.	23	Vermont	In business July 1, 1881	19
221	Dunkel, Gastav	Aug. 9, 1881	363 W. Chicago ave.	36	Germany	Graduate in medicine	4
885	Durfee, Frank G.	Aug. 19, 1881	3850 State st.	32	Illinois	Graduate in pharmacy	15
1366	Dyche, David R.	Aug. 31, 1881	64 State st.	54	Ohio	Licentiate in pharmacy	6
3795	Dutton, Wm.	Feb. 9, 1885	271 N. Clark st.	22	Wisconsin	Licentiate in pharmacy	6
3872	Duncan, C.	Aug. 21, 1884	294 State st.	36	Canada	In business July 1, 1881	4
1512	Eakins, Elizabeth M.	Sept. 1, 1881	362 Wabash ave.	36	New York	Licentiate in pharmacy	3
3508	Earle, C. A.	April 12, 1884	Cor. Paulina & Washing'n	24	Indiana	Graduate in pharmacy	30
3154	Ebert, A. E.	May 14, 1883	426 State st.	43	Germany	In business July 1, 1881	15 years.
3623	Eberlein, C. F. W.	July 7, 1884	368 Cottage Grove ave.	29	"	Graduate in medicine	
963	Eberlin, Fred	Aug. 19, 1881	50 W. Madison st.	32	"	Graduate in medicine	
3496	Edgar, Wm. H.	Jan. 17, 1884	4301 Cottage Grove ave.	48	New York	Graduate in medicine	14 years.
2709	Ellefson, B. J. H.	Oct. 12, 1881	266 W. Indiana st.	33	Norway	Graduate in pharmacy	

City of Chicago—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
992	Elmer, Chas.	Aug. 19, 1881	1053 Milwaukee ave.	27	Wisconsin.	Graduate in pharmacy	9 years.
3472	Fidred, Wm. H.	Nov. 8, 1881	69 E. Kinzie st.	26	New York.	Graduate in medicine	22 years.
3012	Fitch, Herman	Sept. 13, 1882	700 Milwaukee ave.	41	Germany.	Graduate in pharmacy	22 years.
3328	Emrick, G. M.	Oct. 13, 1883	467 W. Chicago ave.	30	Illinois.	Graduate in medicine	17 years.
3661	Erkh, E. C.	Nov. 27, 1882	286 W. Indiana st.	33	Norway.	Graduate in pharmacy	33 years.
1420	Erich, Victor	Aug. 31, 1881	325 Cottage Grove ave.	48	Germany.	In business July 1, 1881	2 years.
3790	Falkenberg, F. E. J.	Oct. 16, 1884	771 W. Lake st.	21½	Illinois.	Licentiate in pharmacy	4
3543	Feldkamp, C. L.	April 12, 1884	56 Granger st.	21½	Illinois.	Graduate in pharmacy	4
2838	Fechter, A. E.	Jan. 12, 1882	136 Canalport ave.	20	Wisconsin.	Licentiate in pharmacy	4
3968	Feeny, Sister M. Y.	Dec. 9, 1882	2500 Calumet ave.	41	Ireland.	In business July 1, 1881	5
2778	Fischer, E. J.	Dec. 14, 1881	570 Sedgewick st.	33	Prussia.	Graduate in pharmacy	14
789	Fischer, A. T.	Aug. 18, 1881	491 W. Madison st.	36	Wisconsin.	Graduate in pharmacy	11
2949	Fischer, O. F.	July 1, 1882	125 State st.	21	Illinois.	Licentiate in pharmacy	5½
3412	Fisher, W. E.	Jan. 12, 1884	Cor. Randolph & Franklin	24	Illinois.	Graduate in pharmacy	5
3679	Fisher, C. E.	Aug. 30, 1884	189 Randolph st.	25	New York.	Graduate in pharmacy	10½
3735	Fish, E. L.	Nov. 11, 1884	126 N. Clark st.	22	Germany.	Licentiate in pharmacy	21 years.
3240	Fish, E. L.	Nov. 23, 1883	358 Larrabee st.	33	Germany.	Licentiate in pharmacy	13
3094	Findley, Robt.	Jan. 12, 1883	327 N. Franklin st.	46	Scotland.	Graduate in pharmacy	15
3653	Finley, Cyrus P.	July 25, 1884	240 Wabash ave.	29	Missouri.	Graduate in pharmacy	1½ years.
702	Foot, A. D.	Aug. 17, 1881	168 22d st.	49	New York.	In business July 1, 1881	20
1820	Forsyth, W. K.	Sept. 1, 1881	162 22d st.	33	England.	"	6
1088	Fox, Francois M.	Aug. 31, 1881	3166 Archer ave.	40	Penn.	"	15
995	Frank, A. E.	Aug. 19, 1881	361 Blue Island ave.	43	Germany.	Graduate in pharmacy	6
3727	Franken, J. C.	Oct. 25, 1881	422 W. 12th st.	22	Iowa.	In business July 1, 1881	28
601	Frankige, C. C.	Aug. 10, 1881	472 State st.	42	Germany.	Licentiate in pharmacy	6½
3413	Freese, C. F.	Jan. 12, 1884	527 W. Van Buren st.	22	Illinois.	Graduate in pharmacy	5
3414	Freishelmer, Geo.	Jan. 12, 1884	2506 Archer ave.	22	Illinois.	Graduate in pharmacy	6
3789	Freund, A. A.	Jan. 24, 1885	253 31st st.	22	Germany.	In business July 1, 1881	13
1104	Fry, Isaac H.	Aug. 31, 1881	1800 Wabash ave.	38	Penn.	Licentiate in pharmacy	3
3311	Forberich, J. F.	April 12, 1884	831-833 Milwaukee ave.	20	Austria.	In business July 1, 1881	11
3761	Fulton, A. W.	Oct. 16, 1881	132 State st.	25	Iowa.	In business July 1, 1881	30
1123	Gale, Edwin O.	Aug. 31, 1881	111 Randolph st.	49	New York.	Licentiate in pharmacy	3
3934	Gardner, H. D.	Jan. 12, 1883	478 W. Indiana st.	22	Illinois.	In business July 1, 1881	9
1654	Garrison, A. H.	Sept. 1, 1881	45 S. Clark st.	45	Indiana.	Licentiate in pharmacy	4
3862	Gamm, Chas. A.	Sept. 16, 1885	2501 State st.	19	Wisconsin.	Licentiate in pharmacy	2
3194	Galloway, D. H.	April 14, 1883	137 W. Harrison st.	24	Iowa.	"	4½
3415	Galloway, F. E.	July 12, 1884	626 W. Lake st.	22	Maine.	Graduate in pharmacy	6
3649	Gatton, W. R.	July 25, 1884	676 W. Indiana st.	24	Illinois.	Graduate in pharmacy	6

363 Garvin, H. D.	Feb. 18, 1881	475 Lake st.	57 New York	Graduate in medicine	6 years.
1576 Gergenheimer, G. J.	Sept. 1, 1881	239 Rush st.	21 Illinois	In business July 1, 1881	13
3864 Gilmore, F. I.	April 16, 1885	42 W. Madison st.	28 Canada	Licentiate in pharmacy	6
1174 Gifford, A. L.	Aug. 31, 1881	102 N. Clark st.	20 New York	In business July 1, 1881	3
1119 Gifford, M. B.	Aug. 31, 1881	141 W. Madison st.	20 Ohio	Licentiate in pharmacy	25
3883 Glaser, F. F.	April 16, 1885	1801 State st.	28 Wisconsin	In business July 1, 1881	11
2340 Goll, B. H.	July 1, 1882	N. E. cor. Ash. av. & 12th.	24 Michigan	Licentiate in pharmacy	13
1794 Goetz, Henry.	Sept. 1, 1881	Cor. Webster & Lincoln av.	32 England	Graduate in pharmacy	13
3213 Godfrey, John M.	April 12, 1884	257 N. Clark st.	20 Illinois	Licentiate in pharmacy	13
2065 Goodman, F. M.	Oct. 5, 1881	154 W. Van Buren st.	22 Illinois	Licentiate in pharmacy	2 1/2
3022 Gozdell, Jesse M.	Jan. 12, 1883	34 S. Halsted st.	22 Wisconsin	Graduate in pharmacy	10 years.
3451 Goetter, F. B.	Jan. 30, 1881	181 E. Division st.	32 Ohio	In business July 1, 1881	15 years.
255 Grahame, J. T.	Aug. 9, 1881	439 W. Madison st.	33 Denmark	Graduate in medicine	16 years.
8630 Graham, C. P.	July 11, 1884	110 Clybourn av.	33 Germany	Graduate in pharmacy	8 years.
2735 Grassley, C. W.	Oct. 4, 1881	257 W. 12th st.	25 Ohio	Licentiate in pharmacy	8
3453 Gregory, J. E.	Feb. 6, 1884	527 State st.	22 Wisconsin	Graduate in medicine	8
3883 Greule, A. M.	Sept. 8, 1884	3081 Archer av.	56 Maine	Licentiate in pharmacy	5
3703 Greubach, H.	Oct. 16, 1884	91 Dearborn st.	22 Germany	Graduate in pharmacy	5 1/2
3150 Grieb, Frank	May 12, 1883	117 S. Clark st.	20 Illinois	Graduate in medicine	3
2559 Gross, Jas. E.	Sept. 20, 1881	48 Madison st.	36 New York	Graduate in pharmacy	20
2883 Grotefend, A. H. F.	April 14, 1882	239 Taylor st.	20 Illinois	Licentiate in pharmacy	20 years.
2585 Gruman, B.	April 14, 1882	1301 Cornell st.	36 Mass	Graduate in medicine	29
2617 Guy, Geo. O.	Oct. 5, 1881	428 W. Van Buren st.	47 Norway	Graduate in pharmacy	6
3357 Hall, W. E.	Dec. 31, 1883	436 State st.	33 New York	Graduate in pharmacy	15
1527 Hall, Geo. H.	Sept. 1, 1881	834 W. Lake st.	22 W. Virginia	Graduate in pharmacy	4
2065 Haanshuns, S. K.	Sept. 20, 1881	241 Milwaukee av.	24 Ohio	Graduate in medicine	8
830 Haeger, Frederick	Aug. 18, 1881	241 Milwaukee av.	35 Canada	Graduate in pharmacy	13
1641 Halsey, Geo. E.	Sept. 1, 1881	12 E. Madison st.	20 Wisconsin	In business July 1, 1881	15 years.
1640 Halsey, Tappen.	Sept. 1, 1881	27 E. Washington st.	37 Germany	Graduate in pharmacy	14 years.
3925 Hamilton, Willey S.	May 27, 1885	72 N. Clark st.	23	Graduate in pharmacy	7
3144 Hans, Geo. A.	April 23, 1883	3900 Wentworth av.	35 New York	In business July 1, 1881	13
3877 Hansen, Elias	Aug. 21, 1884	31 25th st.	37 Penn	Licentiate in pharmacy	4
2176 Harcourt, W. L.	Oct. 4, 1881	966 W. Madison st.	21 Iowa	Graduate in pharmacy	3
3892 Harter, O. M.	Sept. 30, 1884	449 Blue Island ave.	21 England	In business July 1, 1881	10
2318 Harwig, C. F.	Oct. 5, 1881	476 Milwaukee ave.	31 California	Graduate in pharmacy	13
1120 Harrington, J. J.	Aug. 31, 1881	16 Rush st.			
1490 Hausmann, F.	Sept. 1, 1881	264 Halsted st.			
380 Hase, Frederick	Aug. 9, 1881	570 Milwaukee ave.			
875 Hautau, Henry	Aug. 19, 1881	156 W. Randolph st.			
2093 Hattermann, O. F.	Sept. 20, 1881	994 Milwaukee ave.			
2766 Hatzfeld, R. H.	Dec. 14, 1881	56 W. Randolph st.			
438 Heiland, John	Aug. 9, 1881	113 W. Madison st.			
472 Harrison, G. B.	Aug. 9, 1881	113 24th st.			
3865 Heine, Geo. B.	April 16, 1885	316 Sedgwick st.			
301 Heinemann, P. L. G.	Jan. 12, 1883	307 Clybourn av.			
481 Heller, Edw. H.	Aug. 9, 1881	1031 Asher ave.			
3923 Heike, W. L.	May 16, 1885	186 W. Madison st.			

City of Chicago—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1775	Henkel, F. W. E.	Sept. 1, 1881	12th and Ashland ave.	22	Wisconsin	Graduate in pharmacy	7 years.
1806	Henry, F. A., Jr.	Sept. 1, 1881	125 State st.	25	Kentucky	In business July 1, 1881	11 "
1853	Hendon-on, J. C.	Sept. 1, 1881	951 W. Lake st.	45	Ireland	"	30 "
1259	Herron, S. P.	Aug. 31, 1881	920 Bowen ave.	27	Missouri	Graduate in pharmacy	14 "
3844	Herman, G. K.	Aug. 8, 1885	430 Wabash ave.	23	Illinois	"	4 "
3734	Hess, A. P.	Nov. 7, 1884	461 W. 12th st.	22	"	Graduate in pharmacy	5 1/2 "
2981	Hess, John C.	Sept. 20, 1881	247 E. Division st.	25	Germany	In business July 1, 1881	3 months.
380	Hesselroth, L.	Aug. 9, 1881	107 E. Chicago ave.	37	Sweden	Graduate in pharmacy	23 years.
2919	Hetherington, R. H.	Oct. 5, 1881	194 31st st.	32	Ontario	Graduate in pharmacy	6 "
3850	Hetler, Nels	July 25, 1884	298 W. Indiana st.	30	Norway	"	9 "
3193	Heiler, Ludwig	July 14, 1885	1211 Milwaukee ave.	24	Wisconsin	Licentiate in pharmacy	3 "
3516	Heister, Wm.	April 12, 1884	259 Wentworth ave.	21	Michigan	"	8 "
3517	Hellhofer, H. J.	April 12, 1884	2614 Cottage Grove ave.	21	Michigan	"	8 "
171	Heuermann, H. W.	Aug. 9, 1881	120 Clybourn ave.	57	Germany	In business July 1, 1881	23 "
2241	Heymann, Chas.	Sept. 20, 1881	288 W. Lake st.	66	"	"	45 "
257	Hinkle, H. A.	Aug. 9, 1881	771 W. Lake st.	41	New York	"	7 "
3794	Hittler, John	Jan. 12, 1883	321 S. Schola st.	22	Ohio	Licentiate in pharmacy	7 "
3753	Hitt, R. S.	Jan. 15, 1884	351 Indiana ave.	56	Maryland	Graduate in medicine	16 years.
3801	Hirsch, Sverre	Feb. 24, 1885	286 W. Indiana st.	34	Norway	Graduate in pharmacy	19 "
393	Hogay, Julius H.	Aug. 9, 1881	41 State st.	34	Germany	In business July 1, 1881	16 years.
3826	Hoffman, C. A.	Aug. 12, 1881	386 Fairview st.	36	Illinois	Graduate in medicine	19 "
3867	Hoeger, E. M.	April 16, 1885	231 W. Randolph st.	20	Iowa	Licentiate in pharmacy	5 years.
2172	Holroyd, E. A.	Sept. 20, 1881	1014 W. Lake st.	31	New York	Graduate in medicine	7 "
529	Hooper, John H.	Aug. 10, 1881	177 N. Clark st.	47	Maryland	In business July 1, 1881	27 "
2573	Horn, Edwin A.	July 20, 1882	619 Rue Island ave.	27	Wisconsin	Graduate in pharmacy	4 1/2 "
3860	Horn, Edgar A.	April 16, 1885	240 Wabash ave.	24	Penn.	Licentiate in pharmacy	5 "
732	Hottinger, A.	Aug. 18, 1881	316 Sedgwick st.	38	Germany	In business July 1, 1881	31 "
733	Hottinger, Otto G.	Aug. 18, 1881	316 Sedgwick st.	38	Germany	"	11 "
3169	Houghton, Harry	July 7, 1883	6599 Wentworth ave.	25	Canada	Graduate in pharmacy	7 "
3117	Hoskins, C. B.	Jan. 12, 1881	Chicago Coll. Pharmacy.	23	Wisconsin	Licentiate in pharmacy	2 "
1381	Hoyt, F. A.	Aug. 31, 1881	240 Wabash ave.	32	Connecticut	Graduate in pharmacy	10 "
2843	Hubachek, J. H.	Jan. 12, 1882	236 N. Market.	32	New York	Licentiate in pharmacy	15 "
780	Hubbard, H. H.	Aug. 18, 1881	391 Cottage Grove ave.	31	Canada	In business July 1, 1881	16 "
392	Hulton, K. A.	Aug. 9, 1881	777 W. Van Buren st.	56	Connecticut	"	12 "
2820	Huntzman, A.	Oct. 5, 1881	967 Indiana ave.	31	Indiana	Graduate in pharmacy	6 1/2 "
3541	Hughes, W. J.	May 28, 1884	"	22	"	"	6 "
3118	Hutter, Robert	Jan. 12, 1884	631 Larrabee st.	39	Germany	Licentiate in pharmacy	20 years.
3186	Hendrie, George T.	July 14, 1883	5831 Wallace st.	18	Illinois	"	2 yr. 10 mo
3670	Iuen, W. C.	Aug. 16, 1884	485 S. Clark st.	25	Ohio	Graduate in medicine	"

3260 Jackson, V. R., Jr.	April 14, 1882 69 N. State st.	26 D. C.	Graduate in pharmacy	12 years.
1659 Jackson, August	Sept. 1, 1881 182 N. Halsted st.	30 Wisconsin	"	6
1255 Jackson, Samuel	Aug. 31, 1881 638 W. Van Buren st.	30 Norway	"	4
883 Jacobus, J. S.	Aug. 19, 1881 3181 and Indiana ave.	33 Illinois	In business July 1, 1881	7
1460 Jamieson, T. N.	Sept. 1, 1881 125 Thirty-first st.	23 Canada	"	15
175 Janney, Wm.	Aug. 9, 1881 312 W. Indiana st.	14 New York	"	17
3069 Jenzsch, R. H.	Jan. 12, 1883 363 Blue Island ave.	14 Germany	Licentiate in pharmacy	8 1/2
3636 Johnson, E. T.	July 14, 1884 180 W. Madison st.	25 Ohio	Graduate in pharmacy	18 years.
734 Johnson, F. C. L.	Aug. 18, 1881 128 Oak st.	25 Norway	In business July 1, 1881	18
168 Jones, Charles L.	Aug. 9, 1881 475 Ogden ave.	27 Ohio	"	10
3348 Jacob, Charles E.	Nov. 5, 1883 12 Orchard st.	34 Germany	Graduate in pharmacy	16
2379 Josenhans, R.	July 21, 1882 802 S. Halsted st.	35 New York	In business July 1, 1881	9
1883 Judson, W. H.	Sept. 1, 1881 159 S. Clark st.	26 Atlantic Oc.	Graduate in pharmacy	7
3635 Justl, Wm.	July 14, 1884 485 Center ave.	26 Wisconsin	In business July 1, 1881	5 months
1161 Johnson, J. E.	Aug. 31, 1881 20 E. Harrison st.	31 Penn.	Graduate in pharmacy	15 1/2 years.
3347 Jones, J. M.	Jan. 28, 1884 Clark and Madison	29 Bohemia	In business July 1, 1881	17 years.
2966 Kadlec, L. W.	Aug. 31, 1881 136 W. Twelfth st.	24 Germany	Graduate in pharmacy	16
3696 Karpen, Adolph	Oct. 6, 1881 851 Milwaukee ave.	33 Iowa	Licentiate in pharmacy	5
2553 Karstedt, H. C.	July 1, 1882 179 E. Chicago ave.	21 Illinois	Graduate in pharmacy	5
2581 Kaufman, Ferdinand, Jr.	July 21, 1882 285 Lincoln ave.	21 "	Licentiate in pharmacy	3 1/2
3319 Kann, F. P.	April 12, 1881 561 S. Halsted st.	36 Ohio	In business July 1, 1881	18
1350 Kempf, Louis	Aug. 31, 1881 3904 Cottage Grove ave.	23 Illinois	Graduate in pharmacy	7
3197 Kennedy, C. C.	July 14, 1883 309 W. Harrison st.	22 Canada	Licentiate in pharmacy	8
15 Kerr, J. B.	Aug. 9, 1881 182 S. Des Plaines st.	27 New York	Graduate in pharmacy	12
3111 Ketterling, A.	Mar. 22, 1883 363 State st.	16 Illinois	Graduate in pharmacy	9
2622 King, Edwin H.	Oct. 5, 1881 168 Twenty-second st.	26 New York	Graduate in pharmacy	8
3088 Kirby, E. C.	Jan. 12, 1883 109 Blue Island ave.	26 New York	Graduate in pharmacy	2
1901 Kirchgasser, Wm. C.	Sept. 6, 1881 2127 Archer ave.	22 Missouri	"	4 1/2
928 Kirkley, J. M.	Aug. 19, 1881 134 S. Halsted st.	21 Illinois	Licentiate in pharmacy	8
2787 Klein, George J.	Dec. 14, 1881 412 Clybourn ave.	22 Germany	Graduate in pharmacy	6
3564 Klesling, J. C.	May 7, 1884 109 W. Randolph st.	33 Gormany	Licentiate in pharmacy	11
3520 Klein, S. C.	April 12, 1884 362 Wabash ave.	27 Illinois	Graduate in pharmacy	3
3855 Kiene, F. B. C.	Sept. 20, 1881 318 Milwaukee ave.	26 Illinois	Graduate in pharmacy	10
3842 Klenze, Wm. T.	April 8, 1885 249 E. Division st.	35 Wisconsin	In business July 1, 1881	12
3017 Klein, Frederick	Sept. 20, 1882 160 Clybourn ave.	22 Illinois	Licentiate in pharmacy	4
2888 Klinkovstroem, E.	April 14, 1882 322 W. Madison st.	26 England	Graduate in pharmacy	10 1/2
3893 Kucker, Albert C.	April 20, 1885 436 State st.	35 Wisconsin	Graduate in pharmacy	18
3034 Knight, A. P.	Oct. 16, 1882 611 W. Twelfth st.	22 Illinois	Graduate in pharmacy	6
3959 Knox, Richard	Nov. 16, 1882 611 W. Twelfth st.	28 Poland	Licentiate in pharmacy	11
2028 Kraft, H. P.	Sept. 20, 1881 641 W. Madison st.	36 Germany	In business July 1, 1881	7
2898 Krambs, Jeannette	Oct. 12, 1881 183 W. Randolph st.	27 Illinois	Licentiate in pharmacy	4
3159 Krouskup, W. H.	June 4, 1883 311 State st.	27 Illinois	In business July 1, 1881	4
714 Kruessler, C. E.	Aug. 17, 1881 162 Twenty-second st.	18 Illinois	Licentiate in pharmacy	4
3067 Krzeminski, C.	Jan. 12, 1883 159 North ave.	36 Germany	In business July 1, 1881	7
578 Kotzenbe, Charles	Aug. 10, 1881 4293 S. Halsted st.	27 Illinois	Licentiate in pharmacy	4
3127 Kuhlke, H. G.	April 12, 1883 541 S. Canal st.	18 Illinois	Licentiate in pharmacy	4
3868 Lambin, George M.	April 16, 1885 1061 Milwaukee ave.			

City of Chicago—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
3925	Lange, Ignatz.	Oct. 16, 1881	3906 State st.	22	Prussia	Licentiate in pharmacy	2 years
3927	Labreit, E. W.	Oct. 16, 1881	182 W. Lake st.	17	R. Island	"	5
1740	Lee, John B.	Sept. 1, 1881	360 S. Halsted st.	37	Ireland	In business July 1, 1881	20
1207	Leenheer, B.	Aug. 31, 1881	171 W. Twenty-second st.	37	Holland	"	16
3837	Lehman, Louis	April 2, 1881	30 Emma st.	21	Illinois	Graduate in pharmacy	4
1386	Lensmann, F. A.	Aug. 31, 1881	230 Archer ave.	28	Germany	"	4
3798	Leterriere, O. F.	Feb. 14, 1883	240 Wabash ave.	26	Ohio	"	7
2621	Lewis, I. Giles.	Oct. 5, 1881	198 Lake st.	30	New York	"	20
3153	Lewis, Henry	May 12, 1883	240 Wabash ave.	31	England	"	11
3705	Lewke, Otto W.	Oct. 16, 1884	900 N. Halsted st.	18	Germany	Licentiate in pharmacy	2½
3768	Leyser, J. B.	Jan. 16, 1883	381 E. Division st.	22	D. C.	"	8
1125	Liesse, Frederick	Aug. 31, 1881	481 Larabee st.	43	Germany	In business July 1, 1881	27
3125	Liton, J. H.	April 12, 1883	547 Blue Island ave.	30	Germany	Licentiate in pharmacy	12
546	Lilley, P. A.	Aug. 10, 1881	51 Lake st.	23	Sweden	In business July 1, 1881	5
901	Lists, Frederick	Aug. 19, 1881	274 State st.	31	New York	"	8
1688	Listenwaller, E.	Sept. 1, 1881	229 W. Lake st.	48	Maryland	"	15
1544	Long, E.	Sept. 1, 1881	303 Blue Island ave.	19	"	"	4
3522	Lohman, N.	April 12, 1881	67 W. Van Buren st.	18	New York	Licentiate in pharmacy	2½
1513	Lundvall, August.	Sept. 1, 1881	229 E. Division st.	40	Sweden	In business July 1, 1881	27
3198	Lundstrom, E. M.	July 14, 1883	1007 Second ave.	27	"	Licentiate in pharmacy	7½
3523	Lynech, John.	April 12, 1884	251 S. Clark st.	27	Illinois	"	4
3144½	Lydston, J. A.	April 23, 1883	527 S. State st.	22	"	Graduate in pharmacy	6
2537	Lyneham, F. A.	May 31, 1882	420 W. Jackson st.	25	Virginia	"	10
2892	Lyon, E. A.	Jan. 13, 1883	Twenty-second and State	21	"	In business July 1, 1881	4
3277	Langenhan, H.	Aug. 23, 1883	171 Elm Island ave.	26	Indiana	Graduate in pharmacy	4
3831	McDonald, John A.	June 11, 1885	1040 W. Harrison st.	26	New York	In business July 1, 1881	11
1107	McCormick, Eliza	Aug. 31, 1881	727 Clybourn ave.	59	Ohio	In business July 1, 1881	4½
2004	McCormick, I. B.	Sept. 20, 1881	113 Adams st.	40	Pr. Edw. Isl.	Graduate in medicine	4
1622	McDowell, V. P.	Sept. 1, 1881	292 N. State st.	19	Wisconsin	In business July 1, 1881	1 yr. 7 mo.
3262	McCormick, C. E.	July 14, 1883	134 S. Halsted st.	19	Wisconsin	Licentiate in pharmacy	8½ years
1425	McConnell, L. W.	Aug. 31, 1881	722 W. Lake st.	21	Illinois	In business July 1, 1881	4
5600	McDougall, W. G.	April 7, 1884	3100 State st.	26	"	Graduate in pharmacy	"
1727	McPherson, H. H.	Sept. 1, 1881	530 W. Indiana st.	55	D. C.	In business July 1, 1881	34 years
1728	McPherson, E. K.	Sept. 1, 1881	530 W. Indiana st.	22	"	Graduate in pharmacy	8
2523	McPherson, Geo.	Sept. 20, 1881	99 Madison st.	55	Scotland	In business July 1, 1881	39 years
1110	McGlashan, Alex.	Aug. 31, 1881	606 W. Lake st.	23	Canada	In business July 1, 1881	4 months
3661	Maerklin, Gustav	Dec. 5, 1883	720 S. Halsted st.	21	Wisconsin	Licentiate in pharmacy	6 years

City of Chicago—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
3324	Morse, J. W.	April 12, 1884	3540 Cottage Grove ave.	23	Vermont.	Licentiate in pharmacy.	3½ years.
3352	Morroe, F. L. B.	Aug. 1, 1881	3301 Cottage Grove ave.	47	Mass.	Graduate in medicine.	15 years.
1414	Muehmann, F.	Aug. 31, 1881	3300 State st.	32	Germany.	In business July 1, 1881.	..
2650	Mueller, H. L. C.	Oct. 5, 1881	307 Clybourn ave.	47	Prussia.	..	33
2892	Muñiler, O. G.	April 14, 1881	12 Haisted st.	20	Germany.	Licentiate in pharmacy.	3
3031	Mueller, H. W.	Oct. 16, 1882	2510 Cottage Grove ave.	21	Illinois.	..	2½
3792	Mueller, H. W.	Feb. 7, 1885	831 Milwaukee ave.	32	Germany.	Graduate in medicine.	6 years.
955	Mullan, E. A.	Aug. 19, 1881	722 W. 21st st.	31	Penn.	..	5½
2818	Murray, N. W.	Jan. 12, 1882	251 Randolph st.	33	Iowa.	Licentiate in pharmacy.	13
1712	Mussellwhite, A. C.	Sept. 1, 1881	50 Clark st.	22	England.	In business July 1, 1881.	6
3274	Murphy, F. R.	Aug. 21, 1883	249 S. Western ave.	22	Illinois.	Graduate in pharmacy.	6
3479	Murphy, E. Don.	Mar. 21, 1884	282 State st.	24	..	..	..
3803	Murphy, J. H.	Feb. 24, 1885	367 Hermitage ave.	23	Missouri.	Graduate in medicine.	..
567	Myers, John.	Aug. 10, 1881	1002 W. Madison st.	35	Ireland.	In business July 1, 1881.	20 years.
3261	Myers, H. S.	July 14, 1883	625 W. Lake st.	20	Kansas.	Licentiate in pharmacy.	3½
2020	Newell, R. S.	Sept. 20, 1881	Cor. Fullerton & Clyb'rn.	43	New York.	In business July 1, 1881.	1½
2083	Newhall, D.	July 22, 1882	138 and 140 Lake st.	21	Illinois.	Licentiate in pharmacy.	4
2027	Newell, O. W.	Sept. 20, 1881	Cor. Fuller on & Clyb'rn.	Penn.	..	Graduate in medicine.	19
2029	Newell, Grant.	Sept. 20, 1881	Cor. Fullerton & Clyb'rn.	..	..	In business July 1, 1881.	4½
1853	Nichols, E. H.	Sept. 1, 1881	175 W. Madison st.	39	Illinois.	..	12
3874	Novak, John.	April 16, 1885	136 Campbell ave.	19	New York.	Licentiate in pharmacy.	3
3293	Noll, C. F.	July 14, 1883	527 W. VanBuren st.	26	Indiana.	..	6½
3737	Nowierski, B. J.	Nov. 22, 1884	282 State st.	21	Poland.	Graduate in medicine.	..
3747	Nowell, A. A.	Dec. 10, 1881	584 W. Harrison st.	39	West Indi-s	..	..
2851	Obermann, Adolph.	Jan. 12, 1882	Cor. Clark and Kinzie st.	25	Iowa.	Licentiate in pharmacy.	8 years.
2978	Oblendorf, H. S.	July 21, 1882	627 W. Indiana st.	22	Illinois.	Graduate in pharmacy.	4½
150	Otto, Emil.	Aug. 9, 1881	649 21st st.	22	..	..	7
3041	Otto, Edward.	Oct. 16, 1882	115 Clybourn av.	22	Germany.	Licentiate in pharmacy.	3½
662	Painter, Dayton.	Aug. 10, 1881	1401 State st.	28	Ohio.	Graduate in medicine.	4
2880	Painter, E. J.	Jan. 13, 1882	1401 State st.	27	..	..	5
3769	Palmer, A. D.	Oct. 16, 1884	81 Randolph st.	27	Iowa.	Licentiate in pharmacy.	8
2222	Parsons, John.	Sept. 20, 1881	194 31st st.	49	England.	In business July 1, 1881.	30
1276	Patterson, T. H.	Aug. 31, 1881	3540 Cottage Grove ave.	40	Ohio.	Graduate in medicine.	15
3226	Parry, H. I.	Jan. 12, 1884	282 S. Des Plaines st.	31	Wisconsin.	Licentiate in pharmacy.	6
3030	Pohlcard, A. F.	Oct. 16, 1882	229 E. Division st.	30	Sweden.	..	15½
3708	Pelt, Emil E.	Oct. 16, 1884	Cor. Wind and Commercial	25	Netherland.	..	..
3056	Peto, Harry I.	Nov. 9, 1882	50 W. Madison st.	..	..	..	6
3876	Peyton, L. E.	April 16, 1885	307 31st st.	21	Ohio.	Licentiate in pharmacy.	6
2033	Peterson, Alice	Sept. 20, 1881	1734 Wabash ave.	46	Europe.	In business July 1, 1881.	5

2553	Pettersen, J. M. B. M.	Oct. 5, 1881	1702 Milwaukee ave.	Denmark	Graduate in pharmacy	18 years.
2554	Plamette, O. F.	Jan. 12, 1882	690 W. Lake st.	Germany	Licentiate in pharmacy	17
2555	Perkins, Jno. S.	July 14, 1883	384 Michigan ave.	Virginia	"	20
1561	Perron, Jos. J.	Sept. 1, 1881	417 S. Clark st.	New York	In business July 1, 1881	4 1/2
1581	Pierce, Frank W.	Sept. 1, 1881	362 35th st.	Mass.	"	5
753	Pilgrim, H. C.	Aug. 17, 1884	153 W. Van Buren st.	Illinois	Graduate in pharmacy	6
8291	Placzek, John	Sept. 4, 1883	57 20th st.	Austria	"	12
2497	Platz, C. H.	Oct. 4, 1881	City Hall	Germany	In business July 1, 1881	15
1771	Pomrane, M.	Sept. 4, 1881	1233 State st.	Ireland	"	10
2581	Porter, M. N.	Oct. 4, 1881	1538 State st.	Maine	Graduate in medicine	10
3707	Porter, J. A.	Oct. 16, 1881	628 W. Lake st.	Canada	Licentiate in pharmacy	4
3291	Porter, F. L.	April 12, 1881	1538 State st.	Maine	"	3
3773	Prorre, J. E.	April 16, 1883	216 Wash. boulevard	England	"	21
2773	Prince, James	July 19, 1882	745 S. Halsted st.	Austria	"	8
23891	Prince, M. M.	July 21, 1882	745 S. Halsted st.	Illinois	"	9
8257	Pyatt, F. P.	Aug. 16, 1881	438 W. Madison st.	New York	In business July 1, 1881	10
3880	Fuehrer, W. A.	April 2, 1885	482 W. Lake st.	Wisconsin	Graduate in pharmacy	4
6484	Rayner, Jas. B.	Aug. 17, 1881	117 Clark st.	Mass.	In business July 1, 1881	20
1153	Reinhold, W.	Aug. 31, 1881	146 N. Clark st.	Germany	Graduate in medicine	27
3629	Reichel, A. E.	Oct. 16, 1882	363 State st.	California	Licentiate in pharmacy	3 1/4
2571	Reinhard, Heinrich	July 20, 1882	278 N. Wells st.	Bavaria	Graduate in pharmacy	26
1578	Reuter, H.	Sept. 1, 1881	108 S. Halsted st.	Germany	In business July 1, 1881	16
1453	Rhode, R. E.	Aug. 31, 1881	604 N. Clark st.	Germany	Graduate in pharmacy	8
3831	Riebe, Carl L.	July 11, 1884	361 Blue Island ave.	Germany	"	3
3283	Richter, E. F.	Sept. 3, 1883	Lincoln ave and Diversey	"	"	44
3711	Richter, Max	Oct. 16, 1884	420 Lincoln ave.	"	Licentiate in pharmacy	5
1833	Rinke, H. G.	Sept. 1, 1881	80 Webster ave.	Prussia	In business July 1, 1881	21
2284	Ritter, John	Sept. 20, 1881	372 W. Indiana st.	Wisconsin	Graduate in pharmacy	12
3717	Richardson, S. D.	Oct. 14, 1884	4301 Cottage Grove ave.	New Hamp.	Graduate in medicine	10 years.
2527	Roberts, M. J.	Oct. 5, 1881	212 Lake st.	S. Wales	Graduate in pharmacy	5 1/2
3632	Roediger, L. F.	July 11, 1884	869 N. Clark st.	New York	In business July 1, 1881	38
1218	Roediger, J.	Aug. 31, 1882	204 S. Halsted st.	Germany	Graduate in medicine	5
661	Rogers, Fred. D.	Aug. 10, 1881	2412 Cottage Grove ave.	New York	"	2
3428	Rogers, A. W.	Jan. 12, 1883	441 S. State st.	Illinois	Licentiate in pharmacy	2 1/4
3527	Rogers, S. P.	April 12, 1884	113 29th st.	"	Graduate in pharmacy	5 1/2
1063	Roos, B. L., Jr.	Aug. 19, 1881	1 Lincoln ave.	Germany	Licentiate in pharmacy	7
3873	Romeich, F. A.	Aug. 21, 1884	383 State st.	Wisconsin	Graduate in pharmacy	15
1456	Rosenthal, Jos.	Aug. 31, 1881	440 W. Harrison st.	Indiana	In business July 1, 1881	15
2157	Rosenthal, S.	Sept. 20, 1881	544 1/2 Centre ave.	Bohemia	Graduate in pharmacy	3 years.
3760	Rominger, Louis	Jan. 8, 1885	287 12th st.	Ohio	Licentiate in pharmacy	5
3528	Ross, Chas. S.	April 12, 1884	182 S. Halsted st.	Illinois	In business July 1, 1881	14
1573	Rowley, Asa B.	Sept. 1, 1881	362 35th st.	Germany	"	13
2900	Rosemaester, A. B.	Sept. 20, 1881	278 E. Division st.	"	Graduate in pharmacy	8
2913	Rozfeng, B.	April 14, 1882	2921 Wentworth ave.	Ohio	In business July 1, 1881	48
3924	Rueb, Henry J.	May 2, 1885	Centre ave. and 14th st.	Illinois	"	12
38968	Russell, Dennis P.	Mar. 2, 1885	690 W. Madison st.	"	Graduate in pharmacy	8
974	Rudolph, S.	Aug. 19, 1881	389 S. Halsted st.	Germany	In business July 1, 1881	12

City of Chicago—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	When Registered.	Years experience.
3930	Reuter, Louis H.	June 10, 1881	688 S. Halsted st.	21	Illinois	Graduate in pharmacy	5 years.
3933	Reusner, Marie	June 10, 1881	6700 Wentworth ave.	43	New York	Graduate in medicine	..
3637	Salot, G. W.	Aug. 7, 1881	319 State st.	21	Iowa	Graduate in pharmacy	9 years.
3718	Saenger, Benj.	Oct. 17, 1881	3904 Cottage Grove ave.	24	New York	..	..
174	Sargent, E. H.	Aug. 9, 1881	125 State st.	50	New Hamp.	In business July 1, 1881	35
3774	Schaller, Henry	Jan. 16, 1882	722 Lincoln ave.	27	Illinois	Licentiate in pharmacy	12
2178	Schrage, Frank	Sept. 20, 1881	974 N. Clark st.	26	Wisconsin	In business July 1, 1881	12
6731	Schaaft, Chas. L.	Aug. 10, 1881	2633 S. Halsted st.	23	Germany	Graduate in pharmacy	8
6731	Schaaft, J. G.	Aug. 10, 1881	619 Blue Island ave.	57	Prussia	Graduate in pharmacy	16
1904	Schauer, G. G.	Sept. 1, 1881	1631 Center ave.	26	Hohemia	In business July 1, 1881	12
1905	Scherer, Andrew	Aug. 19, 1881	381 E. Division st.	25	New York	Graduate in pharmacy	10
1897	Scherer, Min.	Sept. 1, 1881	555 N. Wells st.	24	Germany	..	2
3870	Schmelting, Otto L. F.	April 16, 1882	303 Wells st.	30	Prussia	Licentiate in pharmacy	2
3757	Schmelting, Otto L. F.	April 16, 1882	303 Wells st.	30	Prussia	Licentiate in pharmacy	2
3757	Schmelting, Otto L. F.	April 16, 1882	303 Wells st.	30	Prussia	Licentiate in pharmacy	2
3439	Schuchert, A. B.	Jan. 19, 1881	3514 Cottage Grove ave.	21	Germany	Graduate in pharmacy	5
3439	Schuchert, A. B.	Jan. 19, 1881	3100 State st.	21	Michigan	Graduate in pharmacy	5
362	Scott, W. H.	Aug. 10, 1881	4217 S. Halsted st.	38	Ireland	In business July 1, 1881	23
1520	Schmidt, Fred. K.	Sept. 1, 1881	35 5th ave.	23	Illinois	Graduate in pharmacy	8
2651	Schmidt, Herman.	Oct. 6, 1881	4132 Wentworth ave.	30	Germany	In business July 1, 1881	13
3608	Schmidt, Frank	July 2, 1881	3931 Archer ave.	19	Bavaria	Licentiate in pharmacy	2 1/2
3620	Schmidt, J. H.	July 7, 1881	247 W. Madison st.	21	Illinois	Graduate in pharmacy	5 1/2
3637	Schmidt, E. A.	July 14, 1881	2506 Archer ave.	28	Ohio	..	..
2773	Schmidt, Henry	Dec. 14, 1881	670 Sedgwick st.	44	Germany	In business July 1, 1881	20 years.
1106	Schiffbauer, R.	Aug. 31, 1881	347 Blue Island ave.	26	..	..	18
1570	Schneider, F. B.	Aug. 31, 1881	311 North ave.	25	..	..	15
1127	Schneider, Otto C.	Aug. 31, 1881	231 Clark st.	25	..	..	11
626	Schreiber, Lauritz	Aug. 10, 1881	483 W. Lake st.	31	Denmark	Graduate in pharmacy	17 1/2
671	Schapper, F. C.	Aug. 19, 1881	758 N. Halsted st.	28	Germany	In business July 1, 1881	7
1772	Schroll, John M.	Sept. 1, 1881	393 Larrabee st.	39	..	..	23
3915	Scholer, E. C.	May 4, 1882	504 N. Clark st.	25	Missouri	Graduate in pharmacy	7
1822	Schoenkaes, Jos	Sept. 1, 1881	615 Noble st.	25	Germany	In business July 1, 1881	6
3452	Schroeder, E. A.	Jan. 12, 1881	146 N. Clark st.	21	..	Licentiate in pharmacy	7
3464	Schoeber, M.	Feb. 21, 1881	627 W. Indiana st.	24	..	Graduate in pharmacy	..
1545	Schrauder, H. N.	Sept. 1, 1881	312 W. Indiana st.	42	Europe	In business July 1, 1881	23 years.
1491	Schrauder, Henry	Sept. 1, 1881	453 Milwaukee ave.	42	Illinois	Graduate in pharmacy	10 1/2
451	Secord, Frank G.	Aug. 18, 1881	292 State st.	26	Canada	In business July 1, 1881	3
3430	Seville, A. S.	Jan. 12, 1881	315 Wells st.	22	Wisconsin	Licentiate in pharmacy	5
2159	Sherman, Henry	Sept. 20, 1881	880 W. 21st st.	..	New York	In business July 1, 1881	25
1832	Shugart, Jos	Sept. 1, 1881	263 W. Randolph st.	39	Prussia	..	18

3355 Shumpfk, Edw	April 12, 1884	3067 Indiana ave.	201 Austria	Licentiate in pharmacy	4 years.
3411 Schmeck, J. I.	July 12, 1884	147 Blue Island ave.	21 Illinois	Graduate in pharmacy	4
3453 Sinter, E. R.	Jan. 12, 1883	109 Blue Island ave.	22 Saxony	Licentiate in pharmacy	18
3461 Sil, Robt. T.	Aug. 19, 1881	123 W. Lake st.	27 New York	In business July 1, 1881	10
3531 Shean, John R.	April 12, 1884	324 W. Madison st.	26 Ohio	Licentiate in pharmacy	3 1/2
3811 Sieber, Francis A. P.	Mar. 7, 1885	430 Lincoln ave.	40 Germany	Graduate in medicine	8 years
3138 Sierveman, Benj	April 12, 1883	N. E. cor. 5th ave. & Mad.	22 Ohio	Licentiate in pharmacy	9
3581 Siatery, James	April 16, 1885	29 S. Canal st.	26 Ireland	"	9
677 Smith, Alfred K.	Aug. 10, 1881	485 S. Western ave.	40 Penn.	In business July 1, 1881	13 years
1635 Smith, J. J.	Aug. 19, 1881	218 Clark st.	33 Kentucky	"	13 years
613 Smith, Mary D.	Aug. 16, 1881	485 S. Western ave.	40 New York	"	18 years
304 Smith, Wm. C.	Aug. 9, 1881	441 State st.	32 Illinois	Graduate in medicine	4 1/2 years
3396 Smith, A. W.	Feb. 9, 1885	468 W. Lake st.	44 Penn.	Graduate in pharmacy	15
3531 Smal, J. M.	April 12, 1884	654 W. Van Buren st.	2 1/2 Illinois	Graduate in pharmacy	10
862 Sollitt, Thos. W.	Aug. 18, 1881	816 State and Madison sts.	26 Ohio	In business July 1, 1881	12
2010 Somers, F. G.	Sept. 20, 1881	125 State st.	32 Germany	"	36
1916 Sonnlichsen, Theo.	Sept. 1, 1881	581 Ogden ave.	51 Penn.	"	26
556 Stahl, Edw. L.	Aug. 10, 1881	173 Van Buren st.	41 Germany	Licentiate in pharmacy	25 years
1822 Stamm, A.	Sept. 1, 1881	186 Blue Island ave.	45 Ireland	Licentiate in pharmacy	4 1/2
3139 Stiles, John S.	April 12, 1883	1054 Millard ave.	21 Illinois	In business July 1, 1881	27
2336 Stevenson, Robt.	June 15, 1882	138 & 140 Lake st.	31 New York	Graduate in medicine	29 years
3935 Starr, A. C.	Oct. 16, 1882	825 43d st.	32 Kentucky	Licentiate in pharmacy	5
253 Stoddard, A. S.	Aug. 9, 1881	171 W. Lake st.	25 Germany	Licentiate in pharmacy	8
1183 Storey, R. E.	Aug. 31, 1881	193 W. Madison st.	32 Illinois	Graduate in pharmacy	9
3781 Stout, A. M.	Jan. 26, 1885	193 Maxwell st.	44 Penn.	Graduate in pharmacy	23
3155 Strauss, Emil	May 2, 1883	615 Noble st.	44 Germany	Licentiate in pharmacy	5
3949 Stein, Henry	July 2, 1884	890 W. Twenty-first st.	21 Indiana	Licentiate in pharmacy	8
3212 Stangohr, R.	July 23, 1883	364 Milwaukee ave.	25 Germany	"	9
3298 Steffens, Otto H.	July 14, 1883	204 S. Halsted st.	32 Illinois	Licentiate in pharmacy	14
3275 Starr, George F.	Aug. 21, 1883	571 S. Halsted st.	22 Iowa	Licentiate in pharmacy	6
3435 Strehl, Louis	Jan. 18, 1884	186 W. Madison st.	42 Norway	In business July 1, 1881	11
3848 Stral, Edward	Aug. 8, 1885	135 Clark st.	21 Illinois	Graduate in pharmacy	5
3553 Stuart, Mack R.	April 12, 1884	485 S. Western ave.	48 Penn.	In business July 1, 1881	23
3106 Sturdess, Otto	Jan. 29, 1883	455 Center ave.	34 Switzerland	Licentiate in pharmacy	7
1530 Sturges, G. S.	Jan. 1, 1881	392 Thirty-fifth st.	19 England	In business July 1, 1881	5
3173 Spaeth, Gus C.	Sept. 7, 1883	3458 Cottage Grove ave.	21 Illinois	Graduate in medicine	1 1/2
1501 Sumney, John	July 1, 1881	291 S. Clark st.	35 New York	In business July 1, 1881	12
2924 Sullivan, T. F.	Sept. 15, 1882	112 LaSalle st.	23 Michigan	Graduate in pharmacy	18
3082 Sulzberger, T. L.	Jan. 12, 1883	52 N. Wells st.	23 New York	Graduate in pharmacy	10
3014 Sutcliff, Charles	Oct. 16, 1882	220 Randolph st.	46 England	"	30
3412 Sweet, Henry	Sept. 1, 1881	126 Milwaukee ave.	46 New York	In business July 1, 1881	18
1486 Sweet, Henry, Jr.	Sept. 1, 1881	676 W. Indiana st.	21 Illinois	"	15
1482 Squair, Frank	Aug. 9, 1881	925 W. Madison st.	31 Scotland	Graduate in medicine	1 1/2
1896 Taylor, G. B.	Aug. 1, 1881	519 Ogden ave.	30 New York	"	12
2907 Taylor, F. J.	Sept. 14, 1882	483 N. Clark st.	35 New York	In business July 1, 1881	21
1466 Temple, Edward	April 1, 1881	218 Blue Island ave.	35 New York	Graduate in pharmacy	18
2968 Terrence, B. F.	Aug. 31, 1881	519 State st.	23 Michigan	"	10
2557 Thayer, F. A.	Sept. 20, 1881	1325 W. Madison st.	23 New York	Graduate in pharmacy	10

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Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1798	Thiele, Emil	Sept. 1, 1881	451 Larrabee st.	22	Germany	Graduate in pharmacy	6½ years.
1799	Thies, Wilhelm	Jan. 17, 1885	498 W. Chicago ave.	32	Illinois	Graduate in medicine	3 years.
1800	Thayer, Robert C.	April 16, 1885	3922 Cottage Grove ave.	32	Illinois	Licentiate in pharmacy	12
1801	Thompson, James	Aug. 17, 1881	117 Clark st.	40	England	In business July 1, 1881	8
1802	Thompson, T. C.	Aug. 18, 1881	590 Elston st.	24	England	"	16
1803	Thomas, J. B.	Sept. 1, 1881	2704 Wentworth ave.	20	Indiana	"	5
1804	Thornhill, George	Aug. 9, 1881	Hotel Cortland	25	Illinois	"	5
1805	Tobler, Charles J.	July 14, 1883	22 Twenty-second st.	42	Switzerland	Licentiate in pharmacy	4½
1806	Tomkewitz, J. W.	Jan. 16, 1885	358 State st.	23	Prussia	"	3
1807	Thorn, Will H.	July 13, 1883	298 North Clark st.	26	Iowa	"	12
1808	Trimen, John W.	Aug. 9, 1881	522 Wabash ave.	42	England	In business July 1, 1881	26
1809	Triemans, Joseph	Jan. 12, 1882	894 W. Lake st.	19	Kansas	Licentiate in pharmacy	3
1810	Trowbridge, C. H.	Jan. 12, 1883	92 Twenty-second st.	23	Wisconsin	"	2½
1811	True, Charles J.	Aug. 31, 1881	826 W. Madison st.	22	Illinois	In business July 1, 1881	4
1812	Truman, Alex S.	Sept. 20, 1881	Thirtieth and State sts.	37	Canada	Graduate in medicine	7
1813	Truppel, R. S.	Nov. 23, 1884	96 N. Wells st.	29	Germany	Graduate in pharmacy	2½ years.
1814	Tucker, G. W.	Oct. 16, 1882	296 Ogden ave.	28	Ohio	Licentiate in pharmacy	12
1815	Turnbull, Axel	Aug. 19, 1881	2424 Wentworth ave.	43	Sweden	In business July 1, 1881	8
1816	Turnquist, Axel	Oct. 5, 1881	262 W. Randolph st.	23	Ireland	Graduate in pharmacy	8
1817	Ueber, A. G.	Dec. 14, 1881	64 State st.	23	Illinois	In business July 1, 1881	17
1818	Uhlendorf, B.	Aug. 17, 1881	2506 State st.	32	Germany	"	5
1819	Umsted, George	Aug. 9, 1881	475 Ogden ave.	42	Ohio	"	15
1820	Van Buren, E.	Sept. 1, 1881	1248 W. Madison st.	40	New York	"	14
1821	Vanderburgh, A. O.	Aug. 9, 1881	Cor. Halsted and Wash'tn	18	"	"	2
1822	Van Schaack, C. P.	Jan. 12, 1882	138 Lake st.	24	Illinois	Licentiate in pharmacy	6
1823	Vanzhoo, John W.	April 16, 1885	40 N. Clark st.	23	"	Graduate in pharmacy	7
1824	Vannell, George H.	Oct. 5, 1881	Cor. Polk & Western ave.	29	Bohemia	Licentiate in pharmacy	6
1825	Vavra, Vojtech	July 14, 1883	181 Center ave.	24	Holland	Graduate in pharmacy	4½
1826	Vandropel, C.	April 17, 1884	176 W. Division st.	24	"	"	10
1827	Van Dusen, U.	Oct. 5, 1881	690 Jackson st.	28	Ohio	In business July 1, 1881	2
1828	Vernon, C. W.	Sept. 1, 1881	156 W. Adams st.	23	Germany	Graduate in pharmacy	9
1829	Von Herman, E.	Aug. 31, 1881	2505 Archer ave.	23	W. Prussia	Graduate in medicine	4
1830	Von Kiesen, David	June 10, 1885	219 Illinois st.	31	Illinois	Licentiate in pharmacy	3 years.
1831	Wagh, Thomas B.	Mar. 8, 1884	8 Halsted st.	20	"	"	6
1832	Wagner, Charles B.	Oct. 16, 1884	372 LaSalle ave.	27	"	Graduate in pharmacy	7
1833	Wadlin, Honford, Jr.	July 1, 1884	247 Division st.	28	Penn.	In business July 1, 1881	6
1834	Waldron, L. K.	Sept. 1, 1881	189 E. Randolph st.	22	Illinois	Graduate in pharmacy	5
1835	Walther, J. J.	July 22, 1882	627 E. Halsted st.	32	Illinois	"	5

492 Waltersdorf, Louis	Aug. 9, 1881 171 Blue Island ave.	40 Germany	In business July 1, 1881	20 years
3888 Wang, Alf. M.	April 16, 1880 296 N. Market st.	Norway	Licentiate in pharmacy	3
3141 Waxham, Charles	April 12, 1883 3428 S. Halsted st.	Indiana	"	3
3540 Weber, Fred G.	April 12, 1884 200 Archer ave.	Illinois	"	4
3824 Weaver, Frederick O.	July 7, 1884 208 North ave.	Illinois	"	17
3715 Weaver, J. Frank	Oct. 14, 1884 436 N. State st.	New York	Graduate in pharmacy	5
2288 Westcott, A. B.	Sept. 20, 1881 57 S. Elizabeth st.	Mass	Graduate in medicine	16 years
1648 Westmann, A. J.	Sept. 1, 1881 61 E. Chicago ave.	Sweden	In business July 1, 1881	17
873 Weinberger, C. M.	Aug. 19, 1881 219 N. Wells st.	Germany	"	2
1990 Weiricke, O. G.	Sept. 6, 1881 109 Blue Island ave.	Wisconsin	Licentiate in pharmacy	23
2940 Werneberg, Wm.	Sept. 20, 1881 729 S. Halsted st.	Germany	In business July 1, 1881	12
1514 Werkmeister, M.	Sept. 1, 1881 2300 Archer ave.	"	"	8
3213 Weston, George	July 14, 1883 277 W. Monroe st.	Michigan	Licentiate in pharmacy	21
3297 Wiedel, Ernst	Sept. 6, 1883 420 N. Ashland ave.	Germany	Graduate in pharmacy	9
386 White, John	Aug. 1, 1881 231 W. Randolph st.	Scotland	In business July 1, 1881	8
3837 White, James O.	April 16, 1882 451 State st.	Illinois	Licentiate in pharmacy	4
2954 Whitfield, G. W.	July 1, 1882 240 Wabash ave.	New York	Graduate in pharmacy	12
1377 Whitfield, Thomas	Aug. 31, 1881 210 Wabash ave.	Ireland	"	16
757 Wikoff, Lewis H.	Aug. 17, 1881 312 E. Lake st.	Ohio	In business July 1, 1881	30
3838 Wilcox, Wm.	April 22, 1881 104 E. Madison st.	Penn.	Graduate in pharmacy	8 years
1103 Wilse, John	Aug. 31, 1881 452 N. Halsted st.	Germany	In business July 1, 1881	7
392 Wilson, E. D. F.	Aug. 19, 1881 435 W. Madison st.	Canada	"	8
1659 Wilson, Cleon B.	Sept. 1, 1881 735 W. Madison st.	W. Virginia	"	15
712 Wilson, J. H.	Aug. 17, 1881 125 Twenty-second st.	Penn.	Graduate in pharmacy	15
2907 Wilson, Wm. R.	Jan. 13, 1882 157 Wabash ave.	Canada	In business July 1, 1881	12
2536 Witham, F. M.	Oct. 4, 1881 675 Larrabee st.	New York	"	5
3889 Winbolt, George F.	April 16, 1885 2842 State st.	Denmark	Licentiate in pharmacy	5
870 Winch, B. C. B.	Aug. 19, 1881 208 W. Indiana st.	"	In business July 1, 1881	5
2661 Winholt, George	Oct. 5, 1881 2812 State st.	"	"	15
901 Winholt, Theo.	Aug. 19, 1881 627 W. Indiana st.	Ohio	Graduate in pharmacy	7
3916 Winkelmann, G. H.	May 4, 1885 Cor. Ashland & Chl. aves.	Iowa	"	5
3834 Winter, A. A.	April 2, 1885 318 S. Halsted st.	"	"	4
3912 Wisshack, George F.	April 28, 1885 180 W. Madison st.	Ohio	"	15
2415 Wissing, M. F.	Sept. 23, 1881 Twenty-second & Paulina	Denmark	In business July 1, 1881	10
1112 Woltmann, H.	Aug. 31, 1881 869 N. Clark st.	Illinois	"	14
41 Woods, A. A.	Aug. 9, 1881 478 W. Indiana st.	Ohio	"	33
3884 Wood, Wm. H.	April 16, 1885 3893 Cottage Grove av.	New York	Licentiate in pharmacy	3
3886 Wrath, J. W.	April 16, 1885 296 N. Market st.	Illinois	"	17
306 Wrixon, T. W.	Aug. 9, 1881 515 Lincoln ave.	England	In business July 1, 1881	9
3542 Woltersdorf, E. H.	April 12, 1884 1128 W. Harrison st.	Germany	Licentiate in pharmacy	6 1/2
3614 Wunderle, E. L.	July 12, 1884 240 Wabash ave.	Illinois	Graduate in pharmacy	30
2707 Wuensche, Charles	Oct. 12, 1881 875 Milwaukee ave.	Germany	In business July 1, 1881	3
1037 Youngblood, R. N.	Aug. 5, 1881 489 W. Madison st.	Penn.	"	2
2635 Yungk, Louis	Oct. 5, 1881 272 S. State st.	Wisconsin	Graduate in pharmacy	11
1384 Zahn, Emil A.	Aug. 31, 1881 180 State st.	Kansas	"	9
3382 Zesch, O. M.	Aug. 7, 1884 159 S. Clark st.	"	"	9
2790 Zindler, Paul	Dec. 14, 1881 2240 Wentworth ave.	Germany	"	9

Cook County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years expi-ri-ence.
3904	Dyas, Webster M.	Aug. 14, 1882	Arlington Heights.	38	Wisconsin	In business July 1, 1881.	10 years.
3925	Trall, R. H.	Aug. 10, 1881	Austin.	23	Connecticut	"	9 "
1590	Abbott, H. T.	Sept. 1, 1881	Barrington.	44	New York.	"	6 "
1178	Dickenson, C.	Aug. 31, 1881	"	47	Vermont.	Graduate in medicine.	9 "
3278	Guild, E. C.	Aug. 23, 1883	Bartlett.	51	Mass.	"	"
2296	Beall, Geo. H.	Sept. 20, 1881	Cummings.	45	Ohio	In business July 1, 1881.	29 years.
1071	Schapper, F.	Aug. 19, 1881	Blue Island.	32	New York.	Graduate in pharmacy.	20 "
3840	Plunder, Frederick.	April 4, 1885	Central Park.	23	Wisconsin	Graduate in medicine.	5 "
294	Austin, S. W.	June 9, 1880	"	52	New York.	In business July 1, 1881.	15 years.
1205	Busing, Hugo L.	Aug. 30, 1881	Colehour.	46	Germany.	Graduate in pharmacy.	8 years.
3371	Hillgoss, E. P.	Dec. 7, 1883	Dalton City.	31	Indiana.	Graduate in medicine.	5 "
2771	Lund, A. W.	Dec. 14, 1881	Dalton's Station.	50	Denmark.	Graduate in medicine.	7 years.
3449	Chavett, Franklin.	Aug. 1, 1881	Englewood.	70	New York.	Graduate in medicine.	5 "
572	Cozine, Jas. R.	Jan. 30, 1884	"	28	Iowa	"	"
660	DeWolf, Jas. E.	Aug. 10, 1881	"	39	Nova Scotia	"	"
3238	Hagen, Fred. J.	July 23, 1883	"	21	Germany	Graduate in pharmacy.	9 "
16	Hogan, L. C.	Aug. 9, 1881	"	27	Michigan	Graduate in medicine.	11 "
3799	Holton, Mrs. Elizabeth S.	Aug. 25, 1885	"	26	Illinois	Graduate in pharmacy.	15 years.
3105	Hotpoint, Ernest.	Feb. 26, 1885	"	28	Virginia	In business July 1, 1881.	8 months.
1139	Stowits, E. T.	Jan. 26, 1881	"	33	N. Hamp.	Graduate in medicine.	10 years.
3740	Tallman, E. D.	Aug. 31, 1881	"	30	Penn.	Licentiate in pharmacy.	4 "
3190	Baker, George R.	Nov. 27, 1884	Evanston.	30	Wisconsin	Graduate in pharmacy.	10 years.
3931	Becker, Edwin L.	July 14, 1885	"	21	Illinois	Graduate in medicine.	4 "
1025	Bradley, William.	June 10, 1885	"	43	New York.	Licentiate in pharmacy.	10 years.
3042	Buckett, Chas. H.	Aug. 19, 1881	"	26	Maryland	Graduate in medicine.	"
152	Garwood, Wm. C.	Oct. 16, 1882	"	"	"	"	"
3538	Smith, L. S.	Aug. 9, 1881	"	29	Ohio	In business July 1, 1881.	11 "
785	Williams, N. P.	April 12, 1884	"	20	Maine	Licentiate in pharmacy.	4 "
3793	Wire, Geo. E.	Aug. 18, 1881	"	26	Ohio	In business July 1, 1881.	9 1/2 "
138	Lawton, Joseph.	Feb. 7, 1885	"	25	New York.	Graduate in medicine.	"
536	Robinson, H. C.	Aug. 9, 1881	Grand Crossing.	44	England	In business July 1, 1881.	8 years.
3729	Tillotson, Homer J.	Aug. 10, 1881	"	37	Ohio	"	16 "
2173	Fierksen, B. C.	Jan. 23, 1885	Hegewisch.	35	Indiana	Graduate in medicine.	"
1729	Bell, John I.	Sept. 20, 1881	Humboldt Park.	23	Germany	Graduate in pharmacy.	7 years.
397	Bennett, J. L.	Sept. 1, 1881	Hyde Park.	35	England	In business July 1, 1881.	20 "
		Aug. 9, 1881	"	33	Indiana	"	1 1/2 "

768 Dow, G. Q.	Aug. 18, 1881	Hyde Park	Illinois	In business July 1, 1881	9 years.
1515 Matthews, Jas. W.	Sept. 1, 1881	Jefferson	Ohio	Graduate in medicine	19 years.
2039 Fonda, David B.	Sept. 20, 1881	Jefferson	New York	In business July 1, 1881	10 "
1688 Lowell, L. D.	Aug. 10, 1881	Kensington	Mass.	Graduate in pharmacy	7 years.
1819 Holcomb, T. A. E.	Sept. 4, 1881	LaGrange	Vermont	Graduate in medicine	2 "
3554 Moore, O. L.	Aug. 4, 1884	Lake	Illinois	In business July 1, 1881	5 "
2243 Fox, George M.	Sept. 9, 1881	Lake View	Sweden	Licentiate in pharmacy	2 "
256 Barnes, John	Sept. 1, 1881	Lake View	Michigan	Graduate in medicine	9 "
1801 Masquelet, A. J.	Sept. 1, 1881	Lake View	Germany	In business July 1, 1881	9 "
3254 Camph, J. O.	Aug. 7, 1885	Lake View	Germany	Licentiate in pharmacy	12 "
3200 Mason, Ernest L.	July 14, 1883	"	Saxony	Graduate in medicine	10 years.
2600 Wills, O. S.	Oct. 4, 1881	"	Germany	In business July 1, 1881	6 years.
1693 Bodenachatz, J. G.	Sept. 1, 1881	Lemont	Penn.	Graduate in pharmacy	5 "
906 Boscher, C.	Jan. 12, 1883	"	Canada	"	"
3335 Von Bernauer, Julius.	Oct. 30, 1883	"	Illinois	Licentiate in pharmacy	9 "
2784 Warner, M.	Dec. 14, 1881	Maywood	Vermont	Graduate in medicine	7 "
976 Clendenin, J.	Aug. 21, 1884	Maywood	Illinois	Graduate in medicine	9 "
3730 Curtis, R. M.	Nov. 3, 1884	Moreland	Vermont	In business July 1, 1881	6 "
3829 McIsell, Horace	Men. 28, 1885	Moreland	Iowa	Graduate in pharmacy	8 "
239 Natraas, Jno. O.	Aug. 9, 1881	"	Norway	Licentiate in pharmacy	12 "
9060 Vogt, Henry	Sept. 20, 1881	New Bremen	Germany	Graduate in medicine	3 1/2 years.
3479 Drewry, Edward	Jan. 12, 1884	Oak Park	Mass.	In business July 1, 1881	2 "
3554 Brisley, Henry	April 16, 1883	"	Illinois	Graduate in medicine	7 "
1682 Pak, Orin	Aug. 31, 1881	Palatine	Vermont	Graduate in medicine	9 "
1232 Richardson, F. P.	Aug. 31, 1881	"	Illinois	In business July 1, 1881	6 "
405 Robinson, E. G.	Aug. 9, 1881	"	Vermont	Graduate in pharmacy	24 "
31 Second, F. H.	Aug. 9, 1881	Pullman	Norway	Licentiate in pharmacy	8 "
3584 Hummeland, K. S.	June 7, 1884	Park Ridge	Germany	Graduate in medicine	12 "
2890 Fricks, G. H.	April 14, 1882	"	Vermont	"	"
3644 Dodge, Wm. O.	July 24, 1884	Havenswood	Missouri	Licentiate in pharmacy	3 1/2 years.
3182 Keeton, Theo. A.	July 13, 1883	"	Mass.	In business July 1, 1881	2 "
3435 Taylor, F. M.	Jan. 12, 1884	"	Illinois	Graduate in medicine	7 "
3578 Ralmer, Edward	April 16, 1885	"	America	In business July 1, 1881	8 years.
2821 Congdon, J. L.	Jan. 13, 1882	Riverside	Illinois	Graduate in medicine	6 "
3317 Burbank, C. H.	Oct. 6, 1883	Rogers Park	Germany	In business July 1, 1881	2 "
2853 Bickhaus, Conrad	Jan. 18, 1882	Roseland	New York	Graduate in medicine	6 "
275 Arnold, Wm. B.	Aug. 9, 1881	South Chicago	Germany	Licentiate in pharmacy	2 "
1653 Herrmann, Jacob	Sept. 1, 1881	"	Germany	In business July 1, 1881	5 "
3683 Macy, E. B.	Dec. 5, 1882	"	Indiana	Graduate in pharmacy	8 "
274 Merrill, J. W.	Aug. 9, 1881	"	Canada	"	"
3293 Shaw, W. G.	Sept. 8, 1883	Washington Heights	Germany	Graduate in medicine	8 "
121 Lowenthal, Louis	Aug. 9, 1881	"	"	"	"

CRAWFORD COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1429	Lickliter, Hiram	Aug. 31, 1881	Annapolis	44	Ohio	In business July 1, 1881	9 years.
1229	Holly, Walter D.	Aug. 31, 1881	Reil Air	39	Illinois	Graduate in medicine	3 months.
2214	Bristow, N. B.	Sept. 20, 1881	Flat Rock	39	Indiana	In business July 1, 1881	4 years.
588	Duncan, A. W.	Aug. 10, 1881	"	39	Tenn.	"	2 1/2 "
774	Cox, Andrew J.	Aug. 18, 1881	Hutsontville	39	Illinois	"	4 "
561	Newton, C. V.	Aug. 9, 1881	"	39	Ohio	"	3 "
427	Hackerby, M. F.	Aug. 9, 1881	"	35	Kentucky	"	13 "
2486	Kaley, John	Oct. 4, 1881	New Hebron	42	Ohio	"	6 months
1401	Kibble, H. O.	Aug. 31, 1881	Oblong	31	Conn.	"	5 years.
2348	Muchmore, T. N.	Sept. 20, 1881	Palestine	37	Indiana	Graduate in medicine	3 months
1470	Matone, Alfred	Sept. 1, 1881	"	61	Ohio	In business July 1, 1881	15 years.
2311	Overholser, John	Sept. 20, 1881	"	51	Ohio	"	15 months
2312	Vane, Norton	Sept. 20, 1881	"	51	Illinois	Graduate in pharmacy	7 years.
3106	Grubbs, Chas. H.	July 3, 1883	Robinson	32	Illinois	"	9 "
1303	Ruddell, Jas. D.	Aug. 31, 1881	"	32	Kentucky	In business July 1, 1881	9 "
1301	Ruddell, Zaimon	Aug. 31, 1881	"	30	"	"	9 "
1140	Short, Albert R.	Aug. 31, 1881	"	23	Illinois	"	7 "

CUMBERLAND COUNTY.

280	James, N. G.	Aug. 9, 1881	Greensburg	50	Indiana	In business July 1, 1881	9 years.
281	Underwood, D. O.	Aug. 9, 1881	"	38	Ohio	"	1 1/2 "
3781	Colliver, Richard T.	Feb. 3, 1885	"	36	Kentucky	Graduate in medicine	1 year.
2821	Quinn, P. B.	Jan. 13, 1882	Hazel Dell	35	Illinois	In business July 1, 1881	2 "
3143	Young, Wallace	April 12, 1883	"	37	Ohio	Licentiate in pharmacy	3 "
1848	Fos-ey, Flavius	Sept. 1, 1881	Jewett	33	"	"	2 "
3368	Dougherty, G. F.	Nov. 27, 1883	Neoga	29	Indiana	Graduate in medicine	3 years.
1245	McCartney, F. M.	Aug. 31, 1881	"	32	Illinois	In business July 1, 1881	"
3364	Richardson, F. M.	Nov. 21, 1883	"	62	Ohio	Graduate in medicine	1 year.
2569	Steward, Eliza	Sept. 20, 1881	"	41	"	In business July 1, 1881	10 "
2868	Steward, Jno. W.	Sept. 20, 1881	"	30	"	"	3 "
1074	Wilson, S. F.	Aug. 31, 1881	"	41	Maryland	"	3 "
243	Humphrey, W. R.	Aug. 9, 1881	Toledo	53	Kentucky	"	4 "
2188	Park, W. W.	Sept. 20, 1881	"	42	Illinois	"	4 months
2317	Fossey, J. B.	Sept. 20, 1881	"	21	"	"	16 years.
643	Yanaway, J. H.	Aug. 10, 1881	"	54	Ohio	"	"

DEKALB COUNTY.

1001	Martin, Henry.	Aug. 19, 1881	Cortland	40 Vermont	In business July 1, 1881	3 years.
226	Lewis, John H.	Aug. 9, 1881	DeKalb	30 New York	"	12
823	Reed, John	Aug. 18, 1881	"	40 Ohio	"	5
1043	Shurtlett, Calvin	Aug. 19, 1881	"	51 Canada	"	6
1295	King, L. W.	Sept. 1, 1881	Felding	45 New York	"	5
1553	Ninter, H. H.	Sept. 1, 1881	Geneva	42 New Jersey	"	10
300	VanAlstine, A.	Aug. 9, 1881	Geneva	52 New York	"	10
2829	Moore, Lee L.	Jan. 13, 1882	Hinckley	52 Maine	In business July 1, 1881	12 1/2
587	Clark, A. H.	Aug. 10, 1881	Kingston	53	"	5
3100	Bladen, A. D.	Jan. 20, 1883	Kirkland	32 Illinois	In business July 1, 1881	9
1640	Kirk, E. A.	Sept. 1, 1881	"	36	In business July 1, 1881	5
548	Ruby, B. W.	Aug. 10, 1881	Malta	41 Ohio	"	5
3261	Budley, Ino. A.	Aug. 1, 1883	"	28 Illinois	Graduate in medicine	14
3270	Willis, J. B.	Aug. 13, 1883	"	30 New York	"	"
1077	Miller, John H.	Sept. 11, 1881	Sandwich	51 New York	In business July 1, 1881	6 months.
503	Potter, Theon	Aug. 10, 1881	"	31 Illinois	"	16 months.
9201	Ramsey, A. H.	Sept. 30, 1881	"	24 Maine	Graduate in medicine	5 months.
3665	Robbins, F. D.	Aug. 11, 1884	"	"	"	"
134	Allen, Martin V.	Aug. 9, 1881	Shabbona	48 New York	In business July 1, 1881	8 years.
3335	Steward, O. S.	May 1, 1883	"	27 Ohio	Graduate in medicine	15 years.
487	Wright, Carter E.	Aug. 9, 1881	Somonauk	59 New York	In business July 1, 1881	12
2445	Brown, Chas.	Oct. 4, 1881	Sycamore	70	"	12
2446	Brown, H. D.	Oct. 4, 1881	"	43	"	12
2543	Hyde, Chas. E.	July 1, 1882	"	30	In business July 1, 1881	9
1024	Jones, P. K.	Aug. 19, 1881	"	30 Illinois	"	10
1227	Sobey, Richard.	Aug. 31, 1881	"	23 Illinois	"	10

DEWITT COUNTY.

214	Corder, G. W.	Aug. 9, 1881	Clinton	37 Ohio	In business July 1, 1881	7 years.
2946	Day, Ellis I.	July 1, 1882	"	24 Illinois	"	10
1867	DeLevis, M. M.	Sept. 1, 1881	"	55 Penn	In business July 1, 1881	30
3150	McLean, J. O.	June 6, 1883	"	91 Missouri	"	10
1868	Monlux, Samuel	Sept. 1, 1881	"	35 Ohio	In business July 1, 1881	1
47	Myers, J. C.	Aug. 9, 1881	"	28 Kentucky	Graduate in medicine	2
2653	Bosserman, Jos. B.	Oct. 6, 1881	DeWitt	27 Illinois	In business July 1, 1881	4 years.
1590	Robbins, W. M.	Sept. 1, 1881	"	37 Ohio	Graduate in medicine	6 years.
3818	Conkling, A. A.	Mar. 17, 1885	Farmer City	22 Illinois	"	"
3312	Garver, J. U.	April 12, 1884	"	"	"	"

DeWitt County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
46	Garver, Samuel B.	Aug. 9, 1881	Farmer City.	42	Penn.	In business July 1, 1881.	11 years.
2919	Maxwell, Geo. L.	April 24, 1882	Kenney.	41	Illinois	In business July 1, 1881	10 "
2061	Robbins, Frank K.	Sept. 20, 1881	Midland City.	32	Illinois	Graduate in medicine	15 "
8221	McClelland, W. E.	July 17, 1883	Wapella.	30	Ohio	"	"
3839	Davis, Vesselus.	April 4, 1885	"	25	Illinois	"	1 month.
2064	Davis, Thos. W.	Sept. 20, 1881	"	53	"	"	"
1215	Harpster, F. L.	Aug. 31, 1881	"	37	"	In business July 1, 1881	13 years.
3824	Potter, Jas. H.	Mar. 28, 1885	Waynesville.	42	Penn.	Graduate in medicine	10 years.
300	Whiteman, W. C.	Aug. 18, 1881	Weldon.	49	Ohio	In business July 1, 1881	7 1/2 "
802	Williamson, C. W.	Aug. 18, 1881	"	33	"	"	8 "
629	Packard, Jas.	Aug. 10, 1881	"	50	"	"	9 "
2217	Winslow, Wm.	Sept. 20, 1881	"	39	Michigan	"	"

DOUGLAS COUNTY.

1976	Bord, Wm. P.	Sept. 1, 1881	Arcola.	34	Kentucky	In business July 1, 1881	14 years.
3765	Carter, Theron H.	Jan. 16, 1885	"	20	New York	Licentiate in pharmacy	16 "
1972	Harrah, Jno. W.	Aug. 31, 1881	"	29	Ohio	In business July 1, 1881	13 "
1273	Henry, Percy L.	Aug. 31, 1881	"	17	Illinois	"	2 "
3210	Whinston, Jno. J.	Aug. 31, 1881	"	27	Penn.	Licentiate in pharmacy	4 "
3810	Rhode, Hans M. O.	July 2, 1884	"	21	Illinois	Graduate in medicine	3 "
3863	Abrams, Jas. H.	Dec. 24, 1883	Atwood.	34	"	"	"
1007	Jarman, W. F.	Aug. 19, 1881	Camargo.	38	Kentucky	In business July 1, 1881	12 years.
1649	Hearn, W. J.	Sept. 1, 1881	Hindsboro.	32	Illinois	"	1 yr 11 mo
273	Racy, M. F.	Aug. 9, 1881	"	23	Indiana	"	7 months.
843	Bennett, A. C.	Aug. 18, 1881	Newman.	46	New York	"	4 years.
1063	Fuller, M.	Aug. 19, 1881	"	57	Vermont	"	2 "
2394	Field, Jno. A.	Sept. 20, 1881	Tuscola.	29	England	"	7 "
456	Higgins, Jas. D.	Aug. 9, 1881	"	26	Ohio	"	10 1/2 "

DuPAGE COUNTY.

728 Meadowcroft, O. J.	Aug. 17, 1881	Downers Grove.	Illinois	In business July 1, 1881	8 years.
1831 Evernden, Wm.	Aug. 31, 1881	Hinsdale	34 England	Graduate in medicine	5
3458 Calkins, Chas. D.	Feb. 16, 1884	Naperville	26 Penn.	..	22 years.
1555 Daniels, H. O.	Aug. 31, 1881	"	68 Vermont	..	22
756 Powell, M. B.	Aug. 17, 1881	"	37 Ohio	In business July 1, 1881	9
3359 Sonnichsen, Marius	Aug. 1, 1883	"	29 Germany	..	22
3319 Hemenway, L. G.	July 17, 1883	Turner	30 Illinois	Graduate in medicine	9
2164 West, John E.	Sept. 20, 1881	"	52 England	In business July 1, 1881	15 years.
2355 Henninger, W. A.	Sept. 20, 1881	Wheaton	22 Illinois	..	7
185 Hatt, Luther L.	Aug. 9, 1881	"	37 Indiana	..	23

EDGAR COUNTY.

3809 Collins, A. L.	Mar. 5, 1885	Brocton	Ohio	Graduate in medicine	7 years.
3443 Camerer, G. V.	Jan. 23, 1884	Chrisman	24 Illinois	..	3 1/2
433 Camerer, Daniel M.	Aug. 9, 1881	"	39 Ohio	In business July 1, 1881	8
435 Kusselmann, W.	Aug. 9, 1881	"	23 W. Va.	..	10 months.
1451 Steele, Chas. A.	Aug. 31, 1881	Dudley	45 Virginia	..	7 years.
517 Gilbert, Geo. A.	Aug. 10, 1881	Grand View	42 Illinois	..	10
941 Tate, Jas. M. Jr.	Aug. 19, 1881	"	37 Indiana	..	7
940 Wilson, Henry C.	Aug. 19, 1881	"	45 Canada	..	10
3177 Campbell, Isaac	July 7, 1883	Hume	56 Indiana	In business July 1, 1881	7
1067 Stark, Simeon	Aug. 19, 1881	"	26 Illinois	..	6
315 Stark, Wm. H.	Aug. 9, 1881	"	49 Ohio	..	7
2744 Balen, L. W.	Dec. 14, 1881	Isabel	53 Kentucky	..	4
2762 Hanks, Jas.	Dec. 14, 1881	Kansas	49 Illinois	..	35
1241 Hogue, Jas. F.	Aug. 31, 1881	"	44	..	15
979 Kester, Wm. L.	Aug. 19, 1881	"	38 Indiana	..	11
978 Shaver, M. L. Sr.	Aug. 19, 1881	"	22 Illinois	..	2
2008 McGrew, Jasper H.	Sept. 20, 1881	"	38	Graduate in medicine	3
2558 Tenney, T. J.	Oct. 4, 1881	Metcalfe	38 Penn.	In business July 1, 1881	4
1296 Tilton, E. B.	Aug. 31, 1881	Palermo	36 Illinois	..	8
1266 Adelsberger, Jno. B.	Aug. 31, 1881	Paris	36 Indiana	..	16
522 Binford, J. W.	Aug. 10, 1881	"	32 Illinois	..	4
2411 Chestnut, Chas. O.	Aug. 9, 1881	"	39 Ohio	Graduate in medicine	9
2654 Ferris, Edmond	Sept. 20, 1881	"	33 Canada	..	11
2917 Lowe, V. A.	July 1, 1882	"	26 Illinois	..	8
2946 Payne, Vernon A.	July 1, 1882	"	..	..	..

Edgar County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1878	Yergin, Frank P.	Sept. 1, 1881	Paris	29	Ohio	Graduate in pharmacy in business July 1, 1881.	14 years.
1879	Gordon, Jas. N.	Sept. 1, 1881	Reimon	44	Tennessee	"	15 "
1642	Standley, C. N.	Aug. 19, 1881	"	47	Tennessee	"	4 "
2932	Boyer, Jos. W.	Dec. 14, 1881	Vermillion	59	Virginia	"	6 "
743	Lamb, Jasper W.	Aug. 17, 1881	"	33	Illinois	"	1 1/2 "
745	Vansickle, D. S.	Aug. 17, 1881	"	26	"	"	5 "

EDWARDS COUNTY.

3892	Messick, A. W.	Feb. 23, 1885	Browns	29	Indiana	Graduate in medicine	5 years.
1625	Low, H. Frank.	Sept. 1, 1881	Albion	25	Illinois	In business July 1, 1881.	6 "
773	Michels, B. F.	Aug. 18, 1881	"	28	"	"	2 1/2 "
3822	Morgan, Geo. O.	Aug. 10, 1881	Bone Gap	22	"	"	12 "
619	Lopp, Geo.	Aug. 10, 1881	West Salem	59	N. Carolina	"	"

EFFINGHAM COUNTY.

2413	Dunford, Jos.	Sept. 12, 1881	Altamont	33	Illinois	In business July 1, 1881.	10 years.
121	Florin, Wm.	Aug. 19, 1881	"	39	"	"	2 "
1867	Alsop, John	Sept. 1, 1881	Beecher City	45	"	"	6 "
3822	McWhorter, Chas. E.	Mar. 2, 1885	Dietrich	24	"	Graduate in medicine	"
8568	Vandrie, Chas. A.	Nov. 16, 1883	"	34	New York	"	"
1119	Hall, Joseph	Aug. 9, 1881	Edgewood	41	"	In business July 1, 1881.	7 years.
327	Scott, J. R.	Oct. 13, 1883	"	43	Kentucky	Graduate in medicine	"
19	Jones, John	Aug. 9, 1881	Effingham	35	N. Germany	In business July 1, 1881.	16 years.
1031	Pape, Wm. T.	Aug. 19, 1881	"	43	Germany	"	12 "
1626	Hatchinson, J. P.	Sept. 1, 1881	Mason	48	Ohio	"	16 "
1136	Wade, Geo.	Aug. 3, 1881	"	40	Indiana	"	6 years.
3469	Palfer, John N.	March 7, 1884	Shumway	35	Louisiana	Graduate in medicine.	"
339	Sprinkle, Irwin A.	Aug. 9, 1881	Watson	22	Illinois	In business July 1, 1881.	1 year.

FAYETTE COUNTY.

211 Rode, Samuel.....	Aug. 9, 1881	Brownstown	39 Illinois.....	In business July 1, 1881.....	10 years..
1946 Greenman, Jas. F.	Sept. 1, 1881	Farina.....	52 New York.....	Graduate in medicine.....	2 1/2 " ..
3785 Hancock, A. R.	Jan. 23, 1885	"	34 Indiana.....	In business July 1, 1881.....	3 years..
167 Maxon, Chas.	Aug. 9, 1881	"	25 Wisconsin.....	In business July 1, 1881.....	2 1/2 " ..
2224 Pitt-worth, B. F.	Sept. 20, 1881	Ramsey.....	37 New Jersey.....	"	3 " ..
2785 Andrews, Geo. W.	Dec. 14, 1881	"	30 Ohio.....	"	7 " ..
2150 Lindhorst, W. F.	Sept. 20, 1881	"	35 Germany.....	"	1 " ..
216 Ranney, S. L.	Aug. 9, 1881	St. Elmo.....	40 Indiana.....	Graduate in medicine.....	"
3572 McKenzie, D. W.	Dec. 3, 1883	"	54 Ohio.....	"	"
3400 Bassett, Chas. A.	Jan. 7, 1884	Vandalia.....	28 "	"	"
3405 Barnard, Geo. L.	Jan. 12, 1884	"	29 Penn.....	Licentiate in pharmacy.....	6 years..
1079 Eshleman, J. M.	Aug. 31, 1881	"	40 "	In business July 1, 1881.....	9 1/2 " ..
1556 Humphrey, H. S.	Sept. 1, 1881	"	52 New York.....	"	4 " ..
2347 McJord, D.	Sept. 20, 1881	"	53 Illinois.....	"	27 " ..
2340 McJord, Jno. N.	Sept. 20, 1881	"	55 "	"	23 " ..
3743 Mahon, W. H.	Dec. 4, 1884	"	31 "	Graduate in medicine.....	"
3776 Wagner, Geo.	Jan. 16, 1885	"	40 Germany.....	Licentiate in pharmacy.....	9 years..

FORD COUNTY.

384 Ennis, Wm.	Aug. 9, 1881	Cabery.....	30 Vermont.....	In business July 1, 1881.....	2 years ..
3835 Miller, Wm. M.	June 11, 1885	"	25 Penn.....	Graduate in medicine.....	1 1/2 years..
358 Frederick, David A.	Aug. 9, 1881	Clarence.....	49 Mass.....	In business July 1, 1881.....	1 1/2 " ..
357 Lamberton, F. B.	Aug. 9, 1881	"	26 Penn.....	"	7 " ..
154 Richmond, Jos.	Aug. 9, 1881	Elliott.....	52 England.....	Graduate in medicine.....	"
3280 Wilson, John.....	July 19, 1883	"	34 Scotland.....	"	"
3313 Baughman, S. S.	Oct. 3, 1883	Gibson.....	31 Ohio.....	In business July 1, 1881.....	15 years..
757 Hughes, Jas. O.	Aug. 17, 1881	"	32 Maine.....	Graduate in medicine.....	"
3312 Ragsdale, J. T.	Oct. 3, 1883	"	52 Illinois.....	In business July 1, 1881.....	6 years..
1083 Wagner, Peter.....	Aug. 19, 1881	Gibson City.....	44 New York.....	"	"
3314 Dally, H. M.	Oct. 3, 1883	Kempton.....	28 Illinois.....	Graduate in medicine.....	"
159 Perry, Eugene B.	Aug. 9, 1881	Melvin.....	37 New York.....	In business July 1, 1881.....	7 months..
1090 Cooper, Samuel D.	Aug. 19, 1881	Paxton.....	43 Ohio.....	"	14 years..
3598 Coomes, Ammon.....	July 2, 1884	"	34 "	Licentiate in pharmacy.....	3 " ..
3112 Hanson, Peter.....	Mar. 29, 1883	"	33 Denmark.....	"	14 " ..

Ford County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
66	McTaggart, W.	Aug. 9, 1881	Paxton	32	Ontario	In business July 1, 1881	9 years
754	Bost, Delmor A.	Aug. 17, 1881	Piper City	22	Illinois	"	8
753	Roni, Mary E.	Aug. 17, 1881	"	43	Ohio	"	8
1928	Culbertson, S. D.	Aug. 19, 1881	"	41	Penn.	Graduate in medicine	11
2538	Cassingham, M.	Oct. 4, 1881	Robert's	40	Ohio	"	3
2450	Cassingham, O. W.	Oct. 4, 1881	"	27	Illinois	In business July 1, 1881	1
1252	Baker, F. R.	Aug. 3, 1881	Sibley	28	"	"	1½

FRANKLIN COUNTY.

953	Webster, C. C.	Aug. 19, 1881	Benton	29	Illinois	In business July 1, 1881	3 years
965	Webster, B. E.	Aug. 19, 1881	"	41	Ohio	"	15
693	Keller, C. O.	Aug. 17, 1881	Ewing	36	Kentucky	Graduate in medicine	7
2120	Webb, L. M.	Sept. 20, 1881	"	34	Illinois	"	5
1437	Hicks, W. D.	Aug. 31, 1881	Gresham	36	"	In business July 1, 1881	7
1196	Rotramel, E. M.	Aug. 31, 1881	Frankfort	38	"	"	12
2367	Rotramel, R. H.	Oct. 4, 1881	"	33	"	"	5
2466	Mearns, C. D.	Sept. 20, 1881	Mulkeytown	45	"	Graduate in medicine	2½ mos.
3655	Thornton, O. C.	Aug. 4, 1881	Osage	34	Alabama	Graduate in medicine	"

FULTON COUNTY.

1779	Bonnell, A.	Sept. 1, 1881	Astoria	36	Ohio	In business July 1, 1881	10 years
1778	Bonnell, J. G.	Sept. 1, 1881	"	38	"	"	7
2544	Fischer, H. C.	Oct. 4, 1881	"	48	Prussia	Graduate in medicine	23
125	Mooney, H. C.	Aug. 9, 1881	"	36	Illinois	In business July 1, 1881	13
631	Clayberg, S. C.	Aug. 10, 1881	Avon	43	"	"	3
3478	Strode, W. S.	Mar. 21, 1884	Bernadotte	37	"	"	"
2122	Kirkpatrick, J. I.	Sept. 20, 1881	Bryant	65	Ohio	Graduate in medicine	9 years
881	Gardner, J. A.	Aug. 19, 1881	Canton	29	Illinois	In business July 1, 1881	2½
2017	Hurst, Harry	Sept. 20, 1881	"	37	Penn.	"	17
1900	Kyle, J. B.	Sept. 20, 1881	"	50	Illinois	"	11

602 Plattenberg, F. W.	Aug. 10, 1881	Clinton	43 W. Virginia	In business July 1, 1881	13 years
880 Ross, F. C.	Aug. 19, 1881	"	38 Illinois	"	20
879 Rubio, John B.	Aug. 19, 1881	"	26 "	"	16
397 Savill, Oliver	Aug. 10, 1881	"	27 "	"	9
2517 Smith, N. C.	Oct. 4, 1881	"	27 New York	"	10
3078 Webster, C. A.	Jan. 12, 1883	"	20 Illinois	Licentiate in pharmacy	4
1446 Harris, De Witt S.	Aug. 31, 1881	Cuba	30 "	In business July 1, 1881	1
2548 Harrison, John	Oct. 4, 1881	"	30 "	Graduate in medicine	5
1676 Laws, James M.	Sept. 1, 1881	"	30 "	In business July 1, 1881	6
1156 Hogsett, Wm. N.	Aug. 31, 1881	Ellisville	22 "	"	2
1157 Weaver, H. D.	Aug. 31, 1881	"	27 "	"	3 1/2
3817 Beatty, I. Louis	May 5, 1885	Fairview	28 "	Graduate in medicine	1 1/2 years
1680 Bourner, E. D.	Sept. 1, 1881	"	28 New Jersey	In business July 1, 1881	20
1441 Suydam, James N.	Aug. 31, 1881	"	45 "	"	18
2219 Voorhees, Abram	Sept. 20, 1881	"	34 Illinois	Licentiate in pharmacy	33 years
2881 Gove, D. A.	April 14, 1882	Farmington	76 Penn.	In business July 1, 1881	2
459 Heaton, Morgan	Aug. 9, 1881	"	29 New York	Licentiate in medicine	2 years
340 Hendler, I. T.	Aug. 9, 1881	"	43 Illinois	Graduate in pharmacy	2 1/2 years
3784 Gillett, Wm. J.	Jan. 28, 1885	Inava	25 Penn.	In business July 1, 1881	19 years
3322 Hughes, Edward B.	Oct. 13, 1883	"	38 Illinois	Graduate in medicine	7 years
595 Randolph, C. S.	Aug. 10, 1881	Lewistown	30 "	Graduate in medicine	10 years
2477 Hasson, H. C.	Oct. 4, 1881	"	43 Indiana	In business July 1, 1881	5 1/2
2583 Randall, R. A.	Oct. 4, 1881	"	23 Illinois	Graduate in medicine	2 years
2793 Standard, P. J.	Oct. 12, 1881	"	46 Indiana	In business July 1, 1881	18 years
2555 Thompkins, C. B.	Oct. 12, 1881	"	48 Kentucky	"	6
448 Wallace, J. M.	Aug. 9, 1881	"	40 Illinois	"	4
3391 Waggoner, D. M.	Dec. 28, 1883	"	27 Penn.	"	9
2405 Cortens, De Witt	Sept. 23, 1881	London Mills	23 Illinois	"	6
3812 Wilson, H. L.	Mar. 7, 1885	"	49 Ohio	"	27
3441 Breeden, John H.	Oct. 4, 1881	Sumnum	23 Illinois	"	22
1483 Hunter, John H.	Aug. 31, 1881	Table Grove	48 Indiana	In business July 1, 1881	14
1670 Kenshaw, N. A.	Sept. 4, 1881	"	48 Kentucky	"	6
1670 Wolfe, John H.	Sept. 4, 1881	"	40 Illinois	"	4
2194 Gardner, L. E.	Aug. 20, 1881	Vermont	27 Penn.	"	9
2198 Gardner, M. L.	Sept. 20, 1881	"	23 Illinois	"	6
384 Russell, James A.	Aug. 9, 1881	"	49 Ohio	"	27
385 Russell, O. H.	Aug. 9, 1881	"	62 Virginia	"	22
385 Russell, O. H.	Aug. 9, 1881	"	23 Illinois	"	14

GALLATIN COUNTY.

3922 Gordon, George W.	May 16, 1885	Equality	54 Ohio	Graduate in medicine	8 years
2763 Grier, John S.	Oct. 12, 1881	"	46 Illinois	In business July 1, 1881	10
1977 McCarr, E. H.	Aug. 9, 1881	"	51 Virginia	"	3
1834 Edwards, Peter	Aug. 31, 1881	Omaha	50 Illinois	"	3
3834 Hall, Samuel C.	July 14, 1884	"	48 Ohio	Graduate in medicine	22

Gallatin County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
551	Harrell, James C.	Aug. 10, 1881	Omaha.	34	Illinois	Graduate in medicine	8 years.
527	Rogers, H. L.	Dec. 8, 1881	Dec.	42	Tennessee	"	"
3553	Hanna, F. Y.	May 1, 1884	Ridgway	31	Illinois	"	"
2220	Colvard, Alex. H.	Sept. 20, 1881	Shawneetown	26	"	Graduate in pharmacy	7 years.
3558	Dingley, Charles A.	May 6, 1884	"	30	New York	"	6
1713	Docker, Wm. F.	Sept. 1, 1881	"	36	Illinois	Graduate in medicine	12
368	Ederwine, Edward	Aug. 9, 1881	"	29	Indiana	In business July 1, 1881	"
3442	Fels, Jacob.	Jan. 25, 1884	"	45	Kentucky	Graduate in medicine	12
191	Robinson, John L.	Aug. 31, 1881	"	40	Illinois	In business July 1, 1881	6 years.
1063	Robinson, M.	Aug. 31, 1881	"	38	"	"	6

GREENE COUNTY.

3287	Pulliam, W. W.	Sept. 3, 1883	Athensville	33	Ohio	Graduate in medicine	"
3371	Clemmons, C. P.	Nov. 28, 1883	Carrollton	67	N. Carolina	"	"
244	Oswald, J.	Aug. 9, 1881	"	25	Illinois	In business July 1, 1881	8 years.
514	Smith, Alex. H.	Aug. 10, 1881	"	64	New Jersey	"	14
493	Smith, Edward	Aug. 10, 1881	"	26	Illinois	"	10
1596	Vedder, S. A.	Sept. 1, 1881	"	45	New York	"	20
2424	Miller, John G.	Sept. 23, 1881	Fayette	37	Alabama	"	2
3786	Miller, Benjamin C.	Jan. 29, 1885	"	32	"	Graduate in medicine	"
971	Cooper, John M.	Aug. 19, 1881	Greenfield	44	Illinois	In business July 1, 1881	6 years.
2467	Finch, Thomas	Oct. 4, 1881	"	53	England	"	31
350	Gray, J. Howard	Aug. 9, 1881	"	53	N. Carolina	"	24
972	Saylor, Wm. A.	Aug. 19, 1881	"	24	Illinois	"	24
256	Enslow, John B.	Aug. 9, 1881	Kane	51	Ohio	"	10
207	Reinecke, Wm. C.	Aug. 9, 1881	"	52	Ohio	"	2
2332	Gurley, F. M.	Sept. 20, 1881	Patterson	38	Illinois	"	3
464	Kesley, Jacob	Sept. 9, 1881	Rockbridge	31	"	"	7
463	Miller, Adam E.	Aug. 9, 1881	"	37	Alabama	Graduate in medicine	6
949	Bruner, A. J.	Aug. 19, 1881	Bloodhouse	34	Tennessee	In business July 1, 1881	6
1092	Hosman, J. W.	Sept. 1, 1881	"	32	Ohio	"	6
2722	Moore, D. B.	Dec. 1, 1881	"	36	New York	"	12
3904	McEwen, Thomas	April 23, 1883	"	52	Missouri	Graduate in medicine	"
2886	Hamilton, J. W.	April 14, 1882	White Hall	25	Illinois	Licentiate in pharmacy	8 years.

915 Husted, O. J.	Aug. 19, 1881	White Hall	Illinois	In business July 1, 1881	10 years.
917 Lowenstein, J.	Sept. 20, 1881	"	Tennessee	"	8 "
914 Mytinger, F. M.	Aug. 19, 1881	"	Ohio	"	16 "
918 Oswald, L.	Sept. 20, 1881	"	Germany	"	10 "
283 Vedder, F. L.	Oct. 5, 1881	"	Illinois	Graduate in pharmacy	6 "

GRUNDY COUNTY.

2851 Kline, Edw'n	Sept. 20, 1881	Braceville	21 Penn.	In business July 1, 1881	3 months.
3640 Moreland, J. J.	July 20, 1884	"	38 Ireland	Graduate in medicine	"
3720 Murray, John	Oct. 23, 1884	"	36 Scotland	"	"
3724 Roe, E. W.	Oct. 25, 1884	"	27 Michigan	"	2 years.
3523 Sexauer, S. C.	April 12, 1884	"	23 Penn.	Licentiate in pharmacy	"
3477 Abell, E. J.	Nov. 7, 1883	Coal City	38 Illinois	Graduate in medicine	5 years.
3427 Keay, Wm. S.	Sept. 23, 1881	"	38 Scotland	In business July 1, 1881	15 "
2425 Gould, H. C.	Oct. 4, 1881	Gardner	59 New York	"	16 "
2383 McMann, Wm. W.	Sept. 20, 1881	"	45 Ohio	Graduate in medicine	"
3573 Watson, John S.	May 19, 1884	Mincooka	39 Ontario	"	"
980 Brown, John	Aug. 19, 1881	"	56 England	In business July 1, 1881	20 years.
3590 Enslee, O. L.	April 12, 1884	Morris	23 Illinois	Licentiate in pharmacy	9 "
3834 Hand, Oliver H.	Sept. 8, 1884	"	25 "	Graduate in pharmacy	5 "
504 Parmelee, Wm. H.	Aug. 10, 1881	"	52 Vermont	In business July 1, 1881	28 "
1015 Ridgway, E.	Aug. 19, 1881	"	49 Ohio	Graduate in medicine	4 "
3831 Bedford, J. B.	Dec. 20, 1883	Verona	37 England	"	8 years.
3660 Cook, Wm. B.	Aug. 20, 1881	"	34 Canada	In business July 1, 1881	"
3839 Elliott, Wm	April 22, 1885	"	29 "	(Graduate in medicine	"

HAMILTON COUNTY.

2915 Wheelers, J. H.	April 12, 1883	Belle River	29 Alabama	In business July 1, 1881	8 years.
813 Burton, Jas. M.	Aug. 13, 1881	Dahlgren	33 Illinois	Graduate in medicine	3 "
2533 Benson, John G.	Oct. 4, 1881	McLeansboro	25 "	In business July 1, 1881	6 months.
1683 Longworth, S. H.	Sept. 1, 1881	"	42 Ohio	"	26 years.
1684 Severs, A. W.	Sept. 1, 1881	"	31 Kentucky	"	6 "
2161 Shoemaker, Jas. M.	Sept. 20, 1881	"	36 Illinois	"	14 "
3283 Hunt, John T.	Aug. 7, 1883	Macedonia	"	Graduate in medicine	"

HANCOCK COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1398	Alphin, Wm. O.	Aug. 31, 1881	Adrian.	31	Illinois	In business July 1, 1881	4 years.
3273	Forney, C. L.	May 24, 1883	"	21	"	Graduate in medicine	"
3913	Harris, W. F.	April 30, 1885	"	31	"	"	"
286	Ariz, Edwin.	Aug. 9, 1881	Augusta.	43	Penn.	In business July 1, 1881	17 years.
381	Grigson, R. I.	Aug. 9, 1881	"	52	Kentucky	Graduate in medicine	7 "
1014	Kelley, John W.	Aug. 9, 1881	"	33	Illinois	"	14 "
381	Pitney, Orville L.	Aug. 9, 1881	"	37	Ohio	In business July 1, 1881	1 1/2 "
1534	Caywood, N. H.	Sept. 1, 1881	Basco.	35	New York	Graduate in medicine	"
3401	Mourning, W. H.	Jan. 7, 1884	"	45	Illinois	"	"
1535	Naegelin, A.	Sept. 1, 1881	"	27	Kentucky	In business July 1, 1881	1 year.
1129	Doty, Edward.	Aug. 31, 1881	Bentley.	33	Illinois	"	5 "
1054	Marsh, Chas. C.	Aug. 19, 1881	Bowensburgh.	35	Mass.	"	11 1/2 "
117	Yetter, Henry C.	Aug. 9, 1881	Burnside.	27	Ohio	"	"
790	Cutler, D. C.	Aug. 18, 1881	Carthage.	33	New York	"	"
2515	Shultz, Jackson	Oct. 4, 1881	"	66	Virginia	"	3 years.
2516	Shultz, M. E.	Oct. 4, 1881	"	35	W. Virginia.	"	15 "
759	Smith, Wm. T.	Aug. 17, 1881	"	30	Illinois	"	11 "
440	Starkweather, A.	Aug. 9, 1881	"	35	"	"	5 1/2 "
2524	Tressler, M. L.	Oct. 4, 1881	"	37	Penn.	"	5 "
3253	Black, B. F.	July 28, 1883	Dallas City.	28	Wisconsin	Graduate in medicine	7 yr. 5 mo.
2717	Harris, M. G.	Dec. 14, 1881	"	40	Virginia	In business July 1, 1881	8 years.
1800	Rice, C. S.	Sept. 1, 1881	Disco.	34	Ohio	Graduate in medicine	6 1/2 "
2192	Garard, John H.	Sept. 20, 1881	Elvaston.	23	Penn.	In business July 1, 1881	8 months.
2195	Garard, M. C.	Sept. 20, 1881	"	30	Penn.	"	6 1/2 years.
310	Holt, Kendall S.	Aug. 9, 1881	Ferris.	33	Delaware	"	4 1/2 "
953	Law, R. J.	Aug. 19, 1881	Fountain Green.	36	New York	"	9 "
3901	Githens, Wm. H.	Sept. 30, 1884	Hamilton.	35	Ohio	Graduate in medicine	"
2853	Lane, M. B.	July 27, 1882	"	25	"	Licentiate in pharmacy	4 1/2 years.
863	Kinkade, Geo. W.	Aug. 19, 1881	Hickory Ridge.	31	Illinois	In business July 1, 1881	1 1/2 "
141	Kirkpatrick, R. B.	Aug. 9, 1881	Lafayette.	27	Virginia	Graduate in medicine	6 "
252	Parish, Wm.	Aug. 9, 1881	"	43	England	In business July 1, 1881	15 "
112	Atchison, Robt.	Aug. 9, 1881	Nauvoo.	29	Scotland	"	4 "
2765	Mills, Alva C.	Dec. 14, 1881	"	31	Illinois	"	1 "
2949	Nicase, G.	Jan. 12, 1882	"	"	"	Licentiate in pharmacy	8 "
5301	Rhea, Levi J. Jr.	Sept. 21, 1883	Plymouth	29	Illinois	Graduate in medicine	"

343 Shaffer, John W	Aug. 9, 1881	Plymouth	40 Virginia	In business July 1, 1881	10 years..
690 Wade, D. E	Aug. 17, 1881	Pontotoc	37 Iowa	"	3 "
498 Abernethy, Alex	Aug. 9, 1881	Pontotoc	28 "	"	3 "
2718 Harris, D. M.	Dec. 14, 1881	Tioga	54 Kentucky	Graduate in medicine	3 "
3794 Kingsley, Virgil	Feb. 7, 1885	"	37 Illinois	"	"
533 Brinkman, H. A.	Aug. 10, 1881	Warsaw	27 Missouri	In business July 1, 1881	14 years..
2430 Dawson, T. B.	Sept. 23, 1881	"	49 Kentucky	"	17 "
551 Stevens, Geo. V.	Aug. 10, 1881	"	39 Penn.	"	8 "
555 Stevens, Wm. F.	Aug. 10, 1881	"	34 "	"	6 "
2190 Stevens, Jas. L.	Sept. 20, 1881	"	56 "	"	5 "
3392 Hart, John F.	Dec. 23, 1883	West Point	54 Ohio	Graduate in medicine	"

HARDIN COUNTY.

3726 Greene, A. E.	Oct. 25, 1884	Cave in Rock	24 Missouri	Graduate in medicine	4 years..
1604 Hill, Geo. W.	Sept. 1, 1881	"	31 Illinois	In business July 1, 1881	8 months.
1693 Jack, John	Sept. 1, 1881	"	49 Tenn.	"	6 years.
329 Martin, Wm. R.	Aug. 9, 1881	Elizabethtown	29 Illinois	"	8 years..
2659 Paris, W. J. J.	July 1, 1882	Karbers Ridge	29 Kentucky	Licentiate in pharmacy	"
2735 Butler, Jacob	Dec. 14, 1881	Shelberville	31 Illinois	In business July 1, 1881	8 years..

HENDERSON COUNTY.

947 McKee, John	Aug. 19, 1881	Biggsville	43 Ireland	In business July 1, 1881	14 years..
700 Walker, W. C.	Aug. 17, 1881	Carman	39 Missouri	"	8 "
317 Tolman, J. C.	Aug. 9, 1881	Gladstone	34 Mass	"	5 "
1004 Randall, B. P.	Aug. 19, 1881	Olena	43 New York	"	7 1/2 "
586 Hudson, Robt.	Aug. 10, 1881	Oquawka	51 England	"	23 "
564 Lathrop, Geo. H.	Aug. 10, 1881	Radian	31 New York	"	4 "
946 Kickpatrick, W. T.	Aug. 19, 1881	Terre Haute	31 Virginia	"	2 "
249 Landaker, N. O. B.	Oct. 4, 1881	"	34 Ohio	"	10 "

HENRY COUNTY.

1415 Norgren, Chas. E.	Aug. 31, 1881	Alpha	36 Sweden	In business July 1, 1881	7 years..
1338 Pomeroy, Ruth T. H.	Aug. 31, 1881	Anawan	49 New York	"	10 "
1473 Everett, Edwin	Sept. 1, 1881	Atkinson	35 Illinois	"	7 "
1524 Jackson, Jas. M.	Sept. 1, 1881	"	38 Penn.	"	21 "
683 Allen, John H.	Aug. 17, 1881	Cambridge	34 Indiana	"	4 yr. 5 mo.
1693 Kinsey, Jas. C.	Sept. 1, 1881	"	47 Ohio	"	15 years..
3199 Lamb, D. D.	July 14, 1883	"	32 Michigan	Licentiate in pharmacy	12 "

Henry County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
3115	Pool, Chas. W.	April 7, 1883	"	26	Illinois	In business July 1, 1881	10 years.
2213	Reese, Thos. W.	Sept. 20, 1881	Colona	48	New York	"	7 "
1483	Dickinson, C. V.	Sept. 1, 1881	Galva	47	Sweden	"	1 "
1167	Eckstrom, J. R.	Aug. 31, 1881	"	28	Sweden	"	7 "
2101	Norling, J. E.	Sept. 20, 1881	"	23	Illinois	"	4 "
4091	Clouse, Geo. N.	Aug. 9, 1881	Geneseo	34	Ohio	"	12 "
770	Graves, C. S.	Aug. 18, 1881	"	57	New York	"	6 "
144	Moderwell, J. B.	Aug. 9, 1881	"	41	Ohio	"	24 "
441	Ott, Aaron H.	Aug. 9, 1881	"	33	Illinois	"	5 "
3207	Stamm, Dante M.	July 12, 1883	"	18	"	Licentiate in pharmacy	2 "
3073	Anthony, G. A.	Jan. 12, 1883	Kewanee	30	"	"	2 "
3293	Beck, Chas.	April 12, 1884	"	19	Germany	"	4 "
1213	Blair, Samuel, Jr.	Aug. 31, 1881	"	25	Illinois	In business July 1, 1881	8 "
1263	Brown, Geo. O.	Aug. 31, 1881	"	30	"	"	7 "
1243	Ellis, John	Aug. 31, 1881	"	53	England	"	6 "
1700	Smiley, Jas. C.	Sept. 1, 1881	"	51	Vermont	"	1 "
3103	Norling, J. D.	Sept. 20, 1881	Nekoma	24	Illinois	Graduate in medicine	8 years.
3203	Dunn, E. H.	Sept. 13, 1883	Oton	26	"	Graduate in pharmacy	1 1/2 "
2103	Tulick, W. P.	Sept. 20, 1881	"	30	W. Virginia	In business July 1, 1881	11 "
80	Minor, Wm. W.	Aug. 3, 1881	"	43	Penn	Graduate in pharmacy	5 "
240	Prego, Harrison	Aug. 3, 1881	"	22	Switzerland	Graduate in medicine	15 "
3240	Hildebrand, John	April 18, 1884	Woodhull	47	Penn	"	"
1353	Taylor, David P.	Aug. 31, 1881	"	28	"	"	"

IROQUOIS COUNTY.

2317	Turner, Wm. A.	Jan. 13, 1882	Ash Grove	40	Ohio	In business July 1, 1881	10 years.
1920	Muehlenford, A.	Sept. 1, 1881	Ashkum	41	Germany	"	15 "
383	Gallouette, G.	Sept. 1, 1881	Beaverville	45	Canada	"	3 "
2764	Martin, John H.	Aug. 10, 1881	Bucley	37	Indiana	"	15 "
1090	Meacham, M. M.	Dec. 14, 1881	"	74	Ohio	"	8 "
50	Burns, Geo. W.	Aug. 31, 1881	Chebanse	38	Illinois	"	13 "
2690	DeVelling, John M.	Aug. 9, 1881	"	38	Canada	"	10 "
2641	DeVelling, Jno. D.	Oct. 4, 1881	"	32	"	"	17 "
120	Watson, W. H.	Oct. 5, 1881	"	32	Penn	Graduate in medicine	2 "
3828	Bundy, Jas. A.	Aug. 3, 1881	Claytonville	23	Ohio	"	"
3651	Bundy, L. M.	Aug. 28, 1883	Claytonville	23	"	"	"
3652	Bundy, Jos. E.	July 25, 1884	Cissna Park	35	"	"	"
3653	Bundy, Jos. E.	July 25, 1884	"	28	"	"	"

1039 Fidler, R. E.	Aug. 19, 1881	Crecent	29 Illinois	In business July 1, 1881	7 years
1099 Vandolah, B. F.	Aug. 19, 1881	Danforth	37 "	"	"
1184 Olm's, Alb. S.	Aug. 31, 1881	Donovan	34 Germany	"	8 "
1191 Brown, L. D.	Aug. 31, 1881	Donovan	28 Indiana	"	5 months
3598 Miller, D. W.	June 7, 1884	Gilman	28 Ohio	Graduate in medicine	"
1676 Moore, Sarah S.	Sept. 4, 1881	"	63 Mass.	In business July 1, 1881	7 years
240 West, Samuel B.	Aug. 7, 1881	"	61 Connecticut	"	33 "
68 McClain, Wm. H.	Aug. 9, 1881	Iroquois	31 Indiana	"	9 1/2 "
1645 Morgan, D. N.	Sept. 1, 1881	Loda	45 Ohio	"	20 "
3588 Meiz, M. S.	Dec. 24, 1883	Martinton	29 Penn.	Graduate in medicine	"
1540 Dawson, Clarence H.	Sept. 1, 1881	Milford	24 Indiana	In business July 1, 1881	5 years
1300 Wilbur, M. D.	Aug. 31, 1881	"	20 Illinois	"	7 "
2106 Baldwin, Jas. B.	Sept. 20, 1881	Onarga	51 New York	"	14 "
3074 Baldwin, Jas. L.	Sept. 20, 1881	"	21 Illinois	"	6 "
3074 Barnum, Chas. E.	Jan. 12, 1883	"	26 Penn.	Licentiate in pharmacy	8 "
3877 Peck, A. E.	April 15, 1885	"	38 Mich.	"	11 "
2837 Hibbard, L.	April 15, 1885	Ridgeway	41 Penn.	In business July 1, 1881	5 "
129 Lotinville, C. F.	Oct. 12, 1881	"	49 Canada	"	3 "
1480 Hereford, J. F.	Sept. 1, 1881	Sheldon	36 Illinois	"	5 "
264 Speck, A. O.	Aug. 9, 1881	"	39 Ohio	Graduate in medicine	3 1/2 "
283 Gros, Pau E.	Aug. 9, 1881	St. Mary	32 France	In business July 1, 1881	10 "
1082 Crumpler, E. R.	Aug. 19, 1881	Thawville	31 Virginia	"	2 1/2 m'ths
1304 Arnold, M. W.	Aug. 31, 1881	Wageta	33 Ohio	"	15 years
1304 Arnold, Thos.	Aug. 31, 1881	"	33 "	"	15 "
3322 Near, Jefferson S.	Nov. 12, 1883	"	33 Penn.	Graduate in pharmacy	6 years
336 Fern, Asa	Aug. 3, 1881	"	41 Ohio	In business July 1, 1881	"
2321 Drilaman, W. M.	Sept. 20, 1881	Wellington	23 Indiana	"	1 1/2 years
2013 Brown, Mary N.	Sept. 20, 1881	Woodland	23 "	"	1 1/2 "
2025 Brown, Susan A.	Sept. 20, 1881	"	25 "	"	6 "
2025 Brown, Wm. S.	Sept. 20, 1881	"	37 "	Graduate in medicine	"

JACKSON COUNTY.

698 Dean, Geo. O.	Aug. 10, 1881	Ava	27 Illinois	In business July 1, 1881	3 years
2480 Harris, Walter	Oct. 6, 1881	"	31 Indiana	"	3 months
2690 Johnson, Jesse B.	Oct. 6, 1881	"	31 Illinois	"	5 years
683 Wagner, John J.	Aug. 10, 1881	"	28 Missouri	"	8 "
1834 Wagner, Wm. G.	Aug. 10, 1881	"	30 Penn.	"	13 "
1331 Wagner, P. J.	Aug. 10, 1881	"	37 "	"	11 1/2 "
630 Hanna, Jno. F.	Aug. 31, 1881	Campbell Hill	33 Illinois	"	8 "
1317 Parsons, M. G.	Aug. 31, 1881	Carbondale	49 Ohio	Graduate in medicine	"
337 Fatten, Eustis	Aug. 10, 1881	"	36 Mass.	In business July 1, 1881	16 years
3427 Porter, E. R.	Jan. 12, 1884	"	24 Illinois	Licentiate in pharmacy	5 1/2 "
1979 Prickett, C. F.	Sept. 1, 1881	"	23 W. Virginia	In business July 1, 1881	10 "
1980 Prickett, Francis A.	Sept. 1, 1881	"	44 "	"	18 "
106 Sylvester, Roscoe G.	Aug. 9, 1881	"	44 Maine	"	14 "

Jackson County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
880	Bandy, Jno. W.	Aug. 18, 1881	DeSoto	70	Tenn.	In business July 1, 1881	10 years.
884	Davis, Green B.	Aug. 18, 1881	"	42	Indiana	"	8 "
886	Winford, J. F.	Aug. 18, 1881	"	41	Illinois	"	5 "
888	Williams, John M.	Aug. 18, 1881	"	42	Indiana	"	8 months
828	Gardiner, C. D.	July 17, 1883	Grand Tower	34	Kentucky	Graduate in medicine	"
826	Hartman, J. S.	Aug. 18, 1881	Makanda	35	Penn.	In business July 1, 1881	"
1077	Hill, Enoch E.	Aug. 18, 1881	"	63	Kentucky	"	18 years.
885	Magoney, Oscar L.	Aug. 19, 1881	Murphysboro	42	Tenn.	Graduate in medicine	9 months
886	Ingram, Wm. T.	Aug. 19, 1881	"	50	Illinois	In business July 1, 1881	7 years.
1877	Post, Peter M.	Sept. 1, 1881	"	38	New York	Graduate in medicine	8 "
2563	Lee, Arthur M.	Oct. 4, 1881	Pomona	40	Illinois	In business July 1, 1881	15 "
1951	Rainbow, J. O., Jr.	Sept. 1, 1881	Murphysboro	38	Penn.	"	"

JASPER COUNTY.

1598	Andrews, S. O.	Sept. 1, 1881	Newton	45	Ohio	In business July 1, 1881	14 years.
2883	Buesard, F. M.	Jan. 12, 1882	"	28	Illinois	Licentiate in pharmacy	2 "
840	Franko, Peter	Aug. 18, 1881	"	25	Illinois	In business July 1, 1881	4 "
1504	Stephens, F. A.	Sept. 1, 1881	"	28	"	"	8 "
1474	Devall, E. O.	Sept. 1, 1881	Rose Hill	32	Indiana	"	3 "
3921	Rafferty, M. E.	May 12, 1883	St. Marie	33	"	Graduate in medicine	"
2464	Youngman, Stacy B.	Oct. 4, 1881	West Liberty	68	Kentucky	In business July 1, 1881	13 days.
3639	Chapman, Jos. C.	July 20, 1884	Wheeler	28	Illinois	Graduate in medicine	"
844	Chittenden, W. J.	Aug. 18, 1881	Willow Hill	20	Indiana	In business July 1, 1881	7 years.
3757	Eidson, Henry A.	Dec. 31, 1884	"	34	Illinois	Graduate in medicine	"
3706	Madden, Albert	Dec. 16, 1884	"	23	Illinois	Licentiate in pharmacy	2½ years.

JEFFERSON COUNTY.

1883	Guthrie, S. C.	Sept. 1, 1881	Belle Rive	23	Ohio	In business July 1, 1881	1½ years.
2915	Wheeler, J. H.	Sept. 12, 1882	"	23½	Alabama	"	8 "
1885	Bradford, Wm. E.	Sept. 1, 1881	Dix	25	Illinois	Graduate in medicine	3 "
3257	Pruce, Azariah	Oct. 4, 1881	"	21	"	"	"
3461	Pickett, Wm. C.	Feb. 18, 1884	"	63	New York	"	"
3643	Norris, O. P.	July 2, 1884	Laur	40	Kentucky	"	"
760	Robinson, John A.	Aug. 18, 1881	"	26	Illinois	In business July 1, 1881	4½ years.
801	Robinson, I. W.	Aug. 18, 1881	"	36	"	"	4½ "

3334 Atkinson, J. L.	Nov. 13, 1881	Mt. Vernon	Illinois	Graduate in medicine in business July 1, 1881	9 years
1831 Bond, Rufus J.	Sept. 1, 1881	"	"	"	15 "
778 Johnson, A. C.	Aug. 18, 1881	"	"	"	15 "
1691 Porter, Samuel S.	Sept. 1, 1881	"	Penn.	Graduate in medicine in business July 1, 1881	9 "
975 Shepherd, E. M.	Aug. 19, 1881	"	Ohio	"	2 "
1869 Vaughn, Mary J.	Sept. 1, 1881	"	Tennessee	Licentiate in pharmacy in business July 1, 1881	3 "
2898 Walters, O. M.	April 14, 1882	"	Illinois	"	8 "
414 Phillips, H. C.	Aug. 9, 1881	Opdyke	Indiana	"	8 "

JERSEY COUNTY.

1562 Mott, Benjamin L.	Sept. 1, 1881	Elsah	Ohio	In business July 1, 1881	20 years
1514 Lund, Mary E.	Sept. 20, 1881	Grafton	England	"	3 "
1597 Tidball, E. M.	Sept. 1, 1881	"	Ohio	"	1 month
2535 Tidball, J.	Oct. 4, 1881	"	"	"	1 "
3101 Remer, T. F.	Jan. 22, 1883	Jerseyville	New Jersey	Graduate in medicine in business July 1, 1881	15 years
2990 Smith, G. R.	July 29, 1882	"	Illinois	"	7 "
2905 Williams, J. S.	Sept. 20, 1881	Otterville	Kentucky	Graduate in medicine	2 "

JO DAVIESS COUNTY.

219 Carey, Charles H.	Aug. 9, 1881	Apple River	Illinois	Graduate in medicine in business July 1, 1881	3 years
1162 Hall, Robert L.	Aug. 31, 1881	"	England	"	17 "
1163 Hall, Wm.	Aug. 31, 1881	"	"	"	11 "
2352 Maynard, M.	Sept. 20, 1881	"	"	"	21 "
2225 Hall, B. F.	Sept. 20, 1881	East Dubuque	Penn. New York	Graduate in medicine in business July 1, 1881	2 "
2438 Beebe, E. W.	Oct. 4, 1881	Elizabeth	France	Graduate in medicine	15 "
1646 Fulton, Wm.	Sept. 1, 1881	"	Ohio	"	"
3489 Phelps, O. W.	April 1, 1884	"	"	"	"
2750 Crawford, Stewart	Dec. 14, 1881	Galena	Ireland	In business July 1, 1881	46 years
1128 Hoffman, John P.	Aug. 31, 1881	"	Germany	"	26 "
39 Kittoe, W. K.	Aug. 9, 1881	"	Penn.	"	15 "
591 McNeill, Thomas	Aug. 10, 1881	"	Illinois	Graduate in pharmacy	14 "
3172 Seniger, Wm.	July 7, 1883	"	Iowa	Licentiate in pharmacy	7 "
1989 Wells, Joseph E.	Sept. 6, 1881	"	Illinois	Graduate in medicine	10 "
3664 Allen, L. E.	Aug. 11, 1884	Hanover	"	"	"
25 Kilough, Thomas	Aug. 9, 1881	"	Canada	In business July 1, 1881	7 1/2 years
438 Love, Joseph G.	Aug. 9, 1881	"	Illinois	Graduate in medicine	12 "
3663 Miller, George E.	Aug. 9, 1884	"	New York	"	"
3813 Sharp, Charles A.	Mar. 7, 1885	Morseville	Illinois	"	"
2046 Rookey, R. M.	Sept. 20, 1881	Nora	Iowa	In business July 1, 1881	7 years
			Penn.	"	"

JoDavies County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
744	Sharp, J. N.	Aug. 17, 1881	Plum River	46	Missouri	Graduate in medicine	..
9617	Smith, V. Carson	July 8, 1884	"	24	Penn.	"	..
1862	Tyrell, Miles	Sept. 3, 1881	"	61	N. Hamp.	In business July 1, 1881	10 years.
2293	Fowler, Henry M.	Sept. 26, 1881	Scales Mound	48	New York	"	14
1984	Baldwin, E. S.	Sept. 20, 1881	Warren	58	"	"	16
3083	Grubner, A. F.	Aug. 19, 1882	"	21	Iowa	"	10
380	Kessler, Samuel F.	Aug. 9, 1881	"	23	Penn.	In business July 1, 1881	6
2673	Scheddell, W. A.	Oct. 12, 1881	"	26	Illinois	Licentiate in pharmacy	8

JOHNSON COUNTY.

1149	Johnson, Jesse W.	Aug. 31, 1881	Belknap	42	Kentucky	In business July 1, 1881	2 years.
3550	Blanchard, J. F.	April 28, 1884	New Burnside	28	Illinois	Graduate in medicine	..
3252	Ford, J. F.	July 28, 1883	"	52	"	"	..
2481	Keltner, J. M.	Sept. 23, 1881	"	27	"	"	..
3552	Mizell, W. R.	May 1, 1884	"	43	Kentucky	In business July 1, 1881	..
990	Carson, Pleas, J.	Aug. 19, 1881	Tunnel Hill	21	Illinois	Graduate in medicine	8 months
3474	Benson, N. J.	Mar. 8, 1884	Vienna	36	"	Graduate in medicine	..
518	Simpson, W. C.	Aug. 10, 1881	"	18	"	In business July 1, 1881	1 year.
519	Simpson, F. M.	Aug. 10, 1881	"	43	"	"	10 years.

KANE COUNTY.

2339	Bussey, C. F.	July 1, 1882	Aurora	35	Maryland	In business July 1, 1881	9 years.
260	Budlong, Wm. C.	Aug. 9, 1881	"	29	New York	"	4
259	Chase, John B.	Aug. 9, 1881	"	37	Ohio	"	18
3858	Collins, C. C.	April 16, 1885	"	23	Illinois	Licentiate in pharmacy	2
3976	Downing, W. H.	Jan. 12, 1884	"	42	Vermont	"	4
3569	Foster, E. E.	May 12, 1884	"	25	Illinois	Graduate in pharmacy	6
191	Holmes, James S.	Aug. 9, 1881	"	47	Vermont	In business July 1, 1881	15
190	Holmes, Wm. E.	Aug. 9, 1881	"	42	"	"	15
373	Hurd, David W.	Aug. 9, 1881	"	57	Ireland	"	21
2341	Staudt, L. C.	July 1, 1882	"	21	Illinois	Graduate in pharmacy	5

1013	Staudt, John N.	Aug. 19, 1881	Aurora.	54	Germany	In business July 1, 1881.	20 years.
3416	Grimm, H. P.	Jan. 12, 1884	"	19	Illinois	Licentiate in pharmacy	4
827	Winslow, Darwin C.	Aug. 18, 1881	"	47	Mass.	In business July 1, 1881	7
1372	Kline, M. M.	Aug. 31, 1881	Batavia	25	Illinois	"	6
2776	Patchin, Lyman J.	Dec. 4, 1881	"	36	Michigan	"	8
3140	Van Liew, Wm. K.	April 12, 1883	"	23	Illinois	Licentiate in pharmacy	7
3174	Wilkinson, J. F.	July 7, 1883	"	24	Michigan	Graduate in pharmacy	5
1929	Wolcott, W. A.	Sept. 1, 1881	"	32	New York	In business July 1, 1881	14
3906	Paterson, W. T.	April 25, 1885	Big Rock	23	Illinois	Graduate in medicine	14
2257	Rhodes, Joshua	Sept. 20, 1881	"	42	Mass.	In business July 1, 1881	5 years.
2899	Lewis, D. R.	April 14, 1882	Blackberry	38	New York	"	12½
1498	Matthewson, A. T.	Sept. 1, 1881	Blackberry Station	24	Illinois	In business July 1, 1881	5
2149	Whitaker, F. J.	Sept. 20, 1881	Carpentersville	23	"	"	6
876	Baumann, H. J.	Aug. 19, 1881	Dundee	22	"	"	7 y's, 5 m's
1307	Oarman, E. J.	Aug. 31, 1881	"	33	"	"	16 years.
1306	Oarman, George F.	Aug. 31, 1881	"	29	"	"	13
2638	Andrews, J. M.	Oct. 5, 1881	Elgin	38	"	Graduate in pharmacy	18
1072	Fletcher, A. L.	Aug. 31, 1881	"	27	"	In business July 1, 1881	11
875	Hart, Wm.	Aug. 10, 1881	"	32	New York	"	17
3729	Munson, A. S.	Nov. 3, 1884	"	34	Wisconsin	Graduate in medicine	"
3551	Mann, A. L.	May 5, 1881	"	24	Illinois	"	"
1509	Richmann, A. F. W.	Sept. 1, 1881	"	34	Ohio	In business July 1, 1881	19 years.
1305	Richmann, C. L.	Sept. 1, 1881	"	27	"	"	4
2853	Springer, Theo.	Oct. 5, 1881	"	29	"	"	8
3850	Springer, Edwin	April 16, 1885	"	34	Illinois	Licentiate in pharmacy	7
3432	Stone, Charles A.	Mar. 24, 1881	"	36	N. Hamp.	Graduate in medicine	"
925	Weld, Russell	Aug. 13, 1881	"	40	Illinois	In business July 1, 1881	12 years.
923	Weld, Salem E.	Aug. 13, 1881	"	40	Illinois	Graduate in medicine	12
824	Eddowes, Jno. K.	Aug. 18, 1881	"	38	Delaware	In business July 1, 1881	14
2506	Strader, John C.	April 14, 1882	Geneva	41	New York	"	10
2104	Reid, Chas. P.	Sept. 20, 1881	Hampshire	33	Canada	Graduate in medicine	9
125	Brown, Thos. J.	Aug. 9, 1881	Maple Park	44	Scotland	In business July 1, 1881	10
137	Smiley, Chas. E.	Aug. 9, 1881	"	39	New York	"	11
1078	DeWolf, A. B.	Aug. 31, 1881	St. Charles	28	Ohio	Graduate in medicine	43
3220	Longacre, H. Y.	July 17, 1885	"	28	Penn.	"	"
2955	Van Patten, L.	July 1, 1882	"	23	New York	"	"
1373	Van Patten, J. S.	Aug. 31, 1881	"	58	"	In business July 1, 1881	10 years.
354	Zabriskie, D. L.	Aug. 9, 1881	"	49	New Jersey	"	7

KANKAKEE COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1158	Smith, J. E.	Aug. 31, 1881	Buckingham	23	Illinois	In business July 1, 1881	1 1/2 years.
1206	Allison, J. W.	July 17, 1881	Essex	28	Indiana	Graduate in medicine	9 months.
1842	Walton, C. R.	Sept. 1, 1881	"	26	New York	In business July 1, 1881	6 months.
1583	Sines, E. W.	Aug. 31, 1881	Grant Park	33	Indiana	"	6 years.
1138	Cudwell, Martin	Aug. 31, 1881	Hercher	33	Vermont	Graduate in medicine	2 months.
1139	Snowden, Edwin T.	Aug. 31, 1881	"	33	N. Hamp.	In business July 1, 1881	8 months.
3857	VanDoren, F. E.	June 17, 1883	"	30	Illinois	Graduate in medicine	10 years.
382	Babel, Geo.	Aug. 9, 1881	Kankakee	30	New York	In business July 1, 1881	6
2804	Burt, John C.	April 14, 1883	"	26	Wisconsin	Graduate in pharmacy	10
2992	Bonfield, Wesley	Sept. 20, 1881	"	51	Ohio	In business July 1, 1881	23 years.
855	Schubert, John J.	Aug. 19, 1881	"	22	Illinois	"	7
2405	Sherman, Wm. L.	April 14, 1883	"	27	"	"	7
2551	Stamm, Jno. M.	June 12, 1882	"	23	"	"	8
1928	Johnson, H. B.	Sept. 1, 1881	Manteno	44	Indiana	In business July 1, 1881	16
2892	Cooke, E. S.	July 28, 1882	Momence	40	Connecticut	"	6
2677	Culver, A. A.	Oct. 12, 1881	"	57	New York	Licentiate in pharmacy	16
3282	Mattheln, Levi.	Aug. 27, 1883	St. Anne.	33	Illinois	"	13

KENDALL COUNTY.

3831	Bliss, Webster	Mar. 31, 1885	Bristol	43	Wisconsin	Graduate in medicine	9 years.
1807	Young, Horace	Sept. 1, 1881	Bristol Station	40	New York	In business July 1, 1881	6
1220	Leverich, F. A.	Aug. 31, 1881	Lisbon	31	Iowa	"	8
1249	Liscom, Myron H.	Aug. 31, 1881	"	30	Vermont	"	30
1574	Moore, Jas. P.	Sept. 24, 1881	"	53	New York	"	1
2056	Moore, John Sr.	Sept. 24, 1881	"	25	Illinois	"	1
2480	Moore, John Jr.	Sept. 20, 1881	"	41	New York	"	1
2479	Willard, Jas. M.	Sept. 20, 1881	"	49	N. Brunswick	"	25
385	Foster, Samuel E.	Aug. 9, 1881	Millington	29	New York	"	4
736	Castello, M. A.	Aug. 16, 1881	Millbrook	26	New York	"	6 months.
804	Harding, Alfred	Aug. 18, 1881	Newark	20	Connecticut	"	8 years.
1807	Hunemann, H. K.	Sept. 1, 1881	"	27	New Jersey	"	10
1906	Hunemann, C. F.	Sept. 1, 1881	"	36	Illinois	"	9
138	Forbes, W. F.	Aug. 9, 1881	Oswego	27	"	"	16
1632	Hall, Levi N.	Sept. 1, 1881	"	35	New Jersey	"	16
3483	Bennett, Isaac E.	April 3, 1884	Plano	36	"	Graduate in medicine	.....

3906 Jenks, Jos. H.	April 14, 1883	Piano.	48 Ohio	Graduate in medicine	15 years.
1849 Lord, F. H.	Sept. 1, 1881	Yorkville	29 Connecticut	In business July 1, 1881	8 "
684 Hill, Fred G.	Aug. 17, 1881	Yorkville	26 Illinois	"	5 "
1177 Moore, Chas. E.	Aug. 31, 1881	"	32 "	"	7 "
1173 Newton, W. R.	Aug. 31, 1881	"	31 "	"	5 "
1813 Seely, A. T.	Sept. 1, 1881	"	47 New York	"	16 "

KNOX COUNTY.

2163 Foltz, F. P.	Oct. 4, 1881	Abingdon	50 Penn.	In business July 1, 1881	15 years.
2180 Heller, Jos. M.	Dec. 14, 1881	"	29 Illinois	Graduate in medicine	9 "
2349 Heller, Wm. H.	Oct. 4, 1881	"	57 Ohio	"	15 "
2586 Kove, Jas. J.	Oct. 4, 1881	"	51 "	"	9 "
2734 Anderson, A. W.	Dec. 14, 1881	Altona	31 Sweden	In business July 1, 1881	5 "
2078 Becker, John	Sept. 20, 1881	"	53 Prussia	Graduate in medicine	5 "
1145 Anderson, B.	Aug. 31, 1881	Galesburg	27 Sweden	In business July 1, 1881	3 "
224 Clark, A. B. Jr.	Aug. 9, 1881	"	36 Illinois	Graduate in pharmacy	20 "
353 Devendorf, A. S.	Aug. 9, 1881	"	64 New York	In business July 1, 1881	16 "
1768 Greenleaf, D.	Sept. 1, 1881	"	53 Connecticut	"	19½ "
1446 Halsey, C. S.	Aug. 31, 1881	"	47 New York	"	36 "
275 Kemper, John	Sept. 20, 1881	"	48 Illinois	Graduate in medicine	3½ "
2630 Kenfeld, Sarah F.	Oct. 4, 1881	"	34 Kentucky	Graduate in pharmacy	8 "
2011 Lechner, Geo. C.	Sept. 20, 1881	"	37 Penn.	In business July 1, 1881	18 "
222 Moore, N. A.	Aug. 31, 1881	"	27 Indiana	"	3 "
1143 Peterson, C. A.	Aug. 31, 1881	"	23 Sweden	"	3 "
2111 Rigz, Anthony C.	April 14, 1882	"	43 Penn.	"	13 "
1788 Reiter, C. W.	Sept. 1, 1881	"	24 N. Jersey	In business July 1, 1881	7 "
2327 Wiswell, Wyrum	Oct. 4, 1881	"	56 Vermont	"	1½ "
1083 Linn, H. I.	Aug. 19, 1881	Gilson	28 Illinois	"	7 "
383 Brewer, J. S.	Aug. 9, 1881	Knoxville	50 Penn.	"	31 "
1192 Sample, John W.	Aug. 31, 1881	"	43 Canada	"	16 "
1114 Bland, B. M.	Aug. 31, 1881	Maquon	26 Iowa	"	2 months.
108 Bland, Wm. B.	Aug. 9, 1881	"	24 "	"	3 "
8838 Knowles, G. L.	April 3, 1885	"	38 Illinois	Graduate in medicine	14 years.
1113 Pickrel, Jesse Jr.	Aug. 31, 1881	"	32 "	In business July 1, 1881	16 "
981 Foster, S.	Aug. 19, 1881	Oneida	53 Ohio	"	21 "
640 Pratt, Jas. A.	Aug. 10, 1881	"	61 Connecticut	"	21 "
550 Pratt, Jas. A. Jr.	Aug. 10, 1881	"	33 New York	"	11 "
239 Wetmore, Theo. A.	Aug. 9, 1881	"	38 Illinois	"	4 "
1148 Hurst, John C.	Aug. 31, 1881	Rio	36 Mississippi	"	2 "
3373 Hilton, G. F.	Dec. 7, 1883	St. Augustine	26 Illinois	Graduate in medicine	2 "

Knox County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
556	Bennett, Elmer	Aug. 10, 1881	Victoria	60	N. Hamp.	In business July 1, 1881	4½ years.
451	Sayre, Chas. A.	Aug. 9, 1881	"	37	New York.	"	8
3825	Viktrum, John A.	Mar. 28, 1885	"	28	Sweden	Graduate in medicine	"
2895	Owen, Clarence	July 31, 1882	Waaga	37	New York	"	14 years.
230	Slater, Albert S.	Aug. 9, 1881	"	41	Illinois	In business July 1, 1881	13
109	Boyer, Stephen	Aug. 9, 1881	Yates City	41	"	"	5
446	Hensley, John W.	Aug. 9, 1881	"	44	Kentucky	Graduate in medicine	17

LAKE COUNTY.

1947	Armstrong, C. J.	Sept. 1, 1881	Half Day	52	New York	In business July 1, 1881	8 years.
982	Cummings, Geo. B.	Aug. 19, 1881	Highland Park	34	N. Hamp.	"	18
3125	King, A. W.	April 12, 1883	Lake Forest	57	Tenn	Licentiate in pharmacy	12
2129	Bond, Clinton W.	Sept. 20, 1881	Libertyville	47	New York	Graduate in medicine	6
998	Kimball, F. Z.	Aug. 19, 1881	"	30	Vermont	In business July 1, 1881	5
678	Dawson, Jas. B.	Aug. 10, 1881	Wadsworth	30	Scotland	"	3
3694	Hubbard, J. A.	Oct. 6, 1884	Waukegan	50	New York	Graduate in medicine	"
1881	Mackey, Wm. C.	Sept. 1, 1881	"	25	Penn.	In business July 1, 1881	5 years.
442	Pearce, Wm. S.	Aug. 9, 1881	"	57	England	"	29
411	Pearce, Wm. W.	Aug. 9, 1881	"	32	Illinois	Graduate in pharmacy	6
2381	Wright, Arthur O.	Sept. 20, 1881	"	35	England	In business July 1, 1881	8
443	Humphrey, John.	Aug. 9, 1881	Wauconda	28	Conn.	"	8 months.
3847	McCheesey, W.	April 8, 1885	"	30	Wisconsin	Graduate in medicine	"

LA SALLE COUNTY.

2228	Pritchett, Rob't M.	Sept. 20, 1881	Dana	29	W. Virginia	In business July 1, 1881	6 years.
1528	Cope, Garnett A.	Aug. 31, 1881	"	23	Ohio	"	11
1212	Fool, Jas. J.	Aug. 31, 1881	Earlville	41	New York	"	21
2220	Winter, John J.	Sept. 20, 1881	Garfield	30	Penn.	"	5
717	Dearth, E. A.	Aug. 17, 1881	Grand Ridge	30	"	"	3
358	Hester, A. C.	Nov. 27, 1883	"	27	Ohio	Graduate in medicine	"
897	Corbus, Wm. F.	Aug. 19, 1881	LaSalle	41	"	In business July 1, 1881	16 years.

LaSalle County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
2987	Harrison, H. B.	July 22, 1882	Sheridan	36	Ohio	Licentiate in pharmacy	10 years..
2985	Parnell, E. F.	April 2, 1885	"	21	Indiana	Graduate in pharmacy	4 "
828	Weston, Chas. H.	Aug. 18, 1881	"	31	Illinois	In business July 1, 1881	8 "
826	Weston, C. F.	Aug. 18, 1881	"	65	New York	"	6 "
931	Cottling, Chas. C.	Aug. 19, 1881	Streator	33	Wisconsin	"	10 "
2745	Crosswell, A. C.	Dec. 14, 1881	"	35	Maine	"	12 "
2837	Elder, E. B.	Jan. 12, 1882	"	21	Illinois	Licentiate in pharmacy	2 "
1793	Griggs, Oakley	Sept. 1, 1881	"	26	"	In business July 1, 1881	12 "
742	Hattenbueher, B. A.	Aug. 17, 1881	"	32	"	"	15 "
2673	McDougall, N.	Oct. 12, 1881	"	23	"	Licentiate in pharmacy	5 yr. 11 mo.
460	Poor, Thompson	Aug. 9, 1881	"	32	Mass.	In business July 1, 1881	9 years..
3187	Shoop, F. J.	July 13, 1883	"	21	Illinois	Graduate in medicine	1 year..
2328	Woolley, Milton	Sept. 20, 1881	"	72	New York	"	1 year..
2328	Woolley, Myron	Sept. 20, 1881	"	36	Illinois	In business July 1, 1881	1 year..
1236	Pratt, Geo.	Aug. 31, 1881	Tonica	43	Vermont	"	18 months
2659	Thompson, E. G.	Oct. 1, 1881	Utica	37	Illinois	"	18 years..
755	Higby, H. W.	Aug. 17, 1881	"	36	"	Graduate in medicine	5 years..
3671	Leland, E. W.	Aug. 16, 1884	"	26	Connecticut	"	"
2926	Wheeler, T. E.	May 26, 1882	"	20	Connecticut	"	"

LAWRENCE COUNTY.

3361	Vaught, H. M.	Nov. 17, 1883	Allison	26	Illinois	Graduate in medicine	4 months
1399	Bristow, O. G.	Aug. 31, 1881	Bird's Station	23	Kansas	In business July 1, 1881	4 months
1400	Lindsay, N. F.	Aug. 31, 1881	"	31	"	Graduate in medicine	11 years..
3663	Cooper, G. W.	Dec. 10, 1882	Bridgeport	52	Kentucky	Graduate in medicine	4 "
3497	Frazer, Milton D.	Jan. 7, 1884	"	57	Indiana	In business July 1, 1881	5 "
520	Schmalhausen, L. R.	Aug. 10, 1881	"	23	Penn.	"	5 "
1438	Patterson, Daniel	Aug. 31, 1881	Chaucey	35	Indiana	Graduate in medicine	4 years..
3546	Smith, H. P.	April 18, 1884	"	38	"	Licentiate in pharmacy	"
3518	Judy, Chas. F.	April 14, 1884	Lawrenceville	24	Illinois	Graduate in medicine	4 years..
3183	Robinson, E. H.	July 13, 1883	"	26	"	"	"
1827	Schmalhausen, Ed.	Sept. 1, 1881	"	48	Penn.	In business July 1, 1881	17 years..
610	Traylor, Jesse	Aug. 10, 1881	St. Francisville	41	Kentucky	"	12 "

3291 Rosart, J. M.	July 20, 1883	Summer	49 Ohio	Graduate in medicine	3 years.
357 Burget, John A.	Aug. 18, 1881	"	48 Illinois	In business July 1, 1881	1 1/2
354 Burton, W. R.	Aug. 18, 1881	"	48 Iowa	Graduate in medicine	"
3340 French, Z. R.	Nov. 7, 1883	"	39 Penn.	"	"
3323 French, Z. R.	Nov. 7, 1884	"	39 Penn.	"	"
3356 Stokes, John M.	Nov. 12, 1883	"	39 Illinois	"	"
78 Shepherd, W. W.	Aug. 9, 1881	"	39 Ohio	In business July 1, 1881	15 years.

LEE COUNTY.

1032 Arnold, J. M.	Aug. 19, 1881	Amboy	37 Connecticut	In business July 1, 1881	14 years.
2857 Briggs, Jas. S.	Oct. 5, 1881	"	52 New York	"	31
287 Green, Wm. A.	Aug. 9, 1881	"	22 Mass.	"	2
288 Merrifield, A. H.	Aug. 9, 1881	"	39 Vermont	"	17
1254 Charters, Geo. B.	Aug. 31, 1881	Ashton	36 Ohio	"	12
38 Hicks, Chas. E.	Aug. 9, 1881	"	24 Penn.	"	15
37 Leach, Wm. J.	Aug. 9, 1881	"	49 England	"	34
2140 Compton, Andrew	Sept. 20, 1881	Compton	38 Penn.	"	10
2423 Compton, Joel	Sept. 20, 1881	"	62 New Jersey	"	10
2063 Eberhart, F. S.	Sept. 20, 1881	Dixon	33 Penn.	"	16
2906 Higgins, B. B.	Sept. 20, 1881	"	51 New York	"	28
3010 Horton, D. S.	April 27, 1885	"	23 Penn.	Graduate in pharmacy	4
3023 Olmstead, F. B.	July 9, 1884	"	23 Maryland	"	4
2062 Roe, E. R.	Sept. 20, 1881	"	53 Ohio	Graduate in medicine	6 1/2
3156 Wagner, R. H.	May 21, 1883	"	23 Illinois	"	12
1659 Wilson, A. H.	Sept. 1, 1881	"	40 Michigan	In business July 1, 1881	9
710 Lho, Geo. W.	Aug. 17, 1881	Franklin Grove	28 Illinois	"	17
389 Robinson, Wm. C.	Aug. 9, 1881	"	63 New York	"	4
1707 Swan, John T.	Sept. 1, 1881	Harmon	29 Illinois	Licentiate in pharmacy	10 years.
2381 Kittell, E. H.	Oct. 12, 1881	Lee	31 Illinois	"	2
3093 Lawtenslager, A. W.	July 2, 1884	"	41 Illinois	Graduate in medicine	7
3570 York, H. A.	May 24, 1884	"	48 New York	In business July 1, 1881	12
798 Blake, John W. D.	Aug. 18, 1881	Lee Centre	33	"	8 months.
3108 Brockway, P. S.	Mar. 2, 1883	Paw Paw Grove	33 Illinois	In business July 1, 1881	11 years.
796 Pierce, Philip S.	Aug. 18, 1881	"	29 Connecticut	Graduate in medicine	24 years.
596 Pratt, W. A.	Aug. 10, 1881	"	29 Maine	"	"
3333 Gardner, J. L.	Oct. 17, 1883	Steward	57 New Jersey	In business July 1, 1881	"
1888 Barton, Jacob B.	Sept. 1, 1881	Sublette	"	"	"

LIVINGSTON COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
894	Adams, E. F.	Aug. 18, 1881	Blackstone.	22	Illinois	In business July 1, 1881.	4 years.
2861	Littell, John V.	Jan. 13, 1882	Campus	36	New York	Licentiate in pharmacy	6 "
3992	Wetherby, B. J.	April 23, 1885	Chatsworth	25	Penn	Graduate in medicine	19 years.
535	Bangs, Edward A.	Aug. 10, 1881	Chatsworth	46	New York	In business July 1, 1881.	14 "
3988	Bangs, H. M.	Aug. 9, 1881	Cornell	34	Maine	"	9 "
1963	Norton, Eben	Sept. 1, 1881	Cornell	56	Penn	"	1 "
2738	Syphers, J. M.	Dec. 14, 1881	"	40	Maine	Graduate in medicine	"
3753	Sawyer, H. C.	Dec. 19, 1884	"	29	Penn	"	"
3560	Morris, E. V. D.	May 5, 1884	Cullom	26	Illinois	"	"
2434	Baker, Chas. M.	Oct. 4, 1881	Dwight	27	Penn	In business July 1, 1881.	11 years.
3395	Barr, C. H.	Sept. 21, 1883	"	29	R. I.	Graduate in medicine	8 years.
1174	Oughton, John R.	Aug. 31, 1881	"	25	Ireland	In business July 1, 1881.	15 "
1481	Seymour, Geo. A.	Sept. 1, 1881	"	39	Ohio	"	1 "
1865	Lehman, Leonoid	Sept. 1, 1881	Emington	56	Prussia	"	"
2773	DeWolf, John S.	Dec. 14, 1881	Fairbury	38	Illinois	"	16 "
2291	Ramsay, Hill J.	Sept. 20, 1881	"	31	Virginia	"	7 "
2246	Waite, Philip	Sept. 20, 1881	"	28	England	"	8 "
3248	Zimmerman, John	Sept. 20, 1881	"	44	Germany	"	15 "
3369	Hand, Furman	Nov. 16, 1883	Flanagan	27	Illinois	Graduate in medicine	"
2313	Docket, Daniel	Sept. 20, 1881	Forest	46	England	"	14 years.
1280	McCoy, Chas. W.	Aug. 31, 1881	"	35	Ohio	In business July 1, 1881.	8 "
2538	Allen, Joel	Sept. 20, 1881	Graymont	53	Illinois	Graduate in medicine	16 "
980	Markle, Jasper N.	Aug. 10, 1881	Long Point	42	Ohio	In business July 1, 1881.	9 years.
2496	Phillips, E. B.	Oct. 4, 1881	McDowda	42	New York	"	6 "
769	Dow, Benj. B.	Aug. 17, 1881	Nevada	31	"	"	6 "
657	Hunter, Edwin A.	Aug. 10, 1881	Odel	24	Penn York	"	9 "
638	Kidder, Joel P.	Aug. 10, 1881	"	51	New York	"	13 "
3	Vaughn, E. M.	Aug. 9, 1881	"	36	Maine	"	2 "
3924	Beukma, C.	Oct. 16, 1882	Pontiac	28	New Jersey	Licentiate in pharmacy	12 "
707	Caldwell, Jas. A.	Aug. 17, 1881	"	50	W. Virginia	In business July 1, 1881.	35 "
1627	Croswell, Jas. T.	Sept. 1, 1881	"	34	Maine	"	15 "
1550	Lutven, L. F.	Sept. 1, 1881	"	42	Illinois	"	12 "
1549	Lutven, Wm. C.	Sept. 1, 1881	"	38	Ohio	"	4 "
708	McGregor, Chas. A.	Aug. 17, 1881	"	38	Ohio	"	15 "
132	Streater, Jacob.	Aug. 9, 1881	"	26	Penn	"	30 "
3186	Ross, C. F.	July 13, 1883	Saunemin	63	Indiana	Graduate in medicine	"
763	Oxley, W. H.	Aug. 18, 1881	Strawn	22	Penn	In business July 1, 1881.	5 years.

LOGAN COUNTY.

599 Gardner, Benj. F.	Aug. 10, 1881	Atlanta	64 Ohio	In business July 1, 1881	25 years
3131 McClelland, S. E.	April 12, 1881	Beason	23 Illinois	Licentiate in pharmacy	2 "
2165 Capps, Thos. W.	Sept. 20, 1881	Cornland	42 Kentucky	In business July 1, 1881	6 "
584 Taylor, Z. T.	Aug. 10, 1881	Elkhart	28 Kentucky	Graduate in medicine	4 "
3822 Taylor, C. B.	April 20, 1885	Emden	27 Germany	In business July 1, 1881	10 years
3670 Smeltz, John C.	Oct. 6, 1881	Hartsburg	31 Kentucky	Graduate in medicine	6 months
3247 Barnett, J. R.	July 24, 1883	"	23 Germany	In business July 1, 1881	6 "
2416 Hamer, Fred. H.	Sept. 23, 1881	"	40 Michigan	Graduate in medicine	1 year
2412 Hamer, Peter	Sept. 23, 1881	"	38 Wisconsin	"	"
2071 Holbrook, Chas. A.	Sept. 20, 1881	Latham	27 C. G. d Hope	In business July 1, 1881	12 years
3495 Wheeler, E. N.	April 4, 1884	"	37 Germany	Graduate in medicine	10 "
2036 Cull, Jas. F.	Sept. 20, 1881	Lincoln	62 S. Wales	In business July 1, 1881	16 years
363 Ehrlich, H. K.	Aug. 9, 1881	"	22 Wisconsin	In business July 1, 1881	4 "
2041 Evans, Stephen	Sept. 20, 1881	"	62 Kentucky	Graduate in medicine	23 "
888 Newkirk, Tunis.	Aug. 19, 1881	"	53 New York	In business July 1, 1881	7 "
121 Pierson, F. R.	Aug. 31, 1881	Middleton	26 Indiana	In business July 1, 1881	4 years
401 Reed, Thos. M.	Aug. 9, 1881	"	"	"	"
2033 George, Egbert	Oct. 12, 1881	Mt. Pulaski	"	"	"
3741 Nolan, E. O.	Nov. 27, 1884	"	"	"	"
967 McKennan, S. O.	Aug. 19, 1881	New Holland	"	"	"

McDONOUGH COUNTY.

938 Allison, Z. T.	Aug. 19, 1881	Adair	26 Illinois	In business July 1, 1881	2 years
2242 Curry, Geo. F.	Sept. 20, 1881	Bardolph	32 New York	Graduate in medicine	4 months
680 Knapp, Jas. B.	Aug. 17, 1881	"	44 Illinois	In business July 1, 1881	1 year
3250 Duncan, J. M.	Aug. 23, 1883	Blandinsville	46 Ohio	"	"
1667 Emery, Jas. H.	Sept. 1, 1881	"	45 Penn.	In business July 1, 1881	15 years
576 Ferman, Frank	Aug. 10, 1881	"	30 Illinois	"	8 "
342 Pond, Alvin B.	Aug. 9, 1881	"	28 Ohio	"	5 "
346 Pond, Dell L.	Aug. 9, 1881	"	59 Penn.	Graduate in medicine	3 "
462 Clarke, A. S.	Aug. 9, 1881	Bushnell	20 Illinois	In business July 1, 1881	23 "
412 Clarke, Clarence S.	Aug. 9, 1881	"	44 New York	In business July 1, 1881	3 "
1694 Friable, Wm. J.	Aug. 31, 1881	"	46 Illinois	"	13 "
1653 Johnson, John H.	Sept. 1, 1881	"	28 "	"	7 "
1654 Zook, D. E.	Sept. 1, 1881	Colchester	36 "	"	9 "
447 Hendel, R. W.	Aug. 9, 1881	"	29 Ohio	"	7 "
939 Thompson, G. M.	Aug. 19, 1881	"	28 Illinois	Graduate in medicine	6 "
3367 Wackerle, C. J.	Nov. 27, 1883	"	"	"	"

McDonough County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
427	Beaver, Orra V.	Aug. 9, 1881	Industry	21	Ohio	In business July 1, 1881	All life
422	Shannon, G. G.	Aug. 9, 1881	"	30	Illinois	Graduate in medicine	1 year
3057	Hlatt, W. S.	Nov. 16, 1882	"	36	"	"	5 years
1008	Delaney, P. H.	Aug. 19, 1881	Macomb	40	Ireland	In business July 1, 1881	16
951	Ervin, James M.	Aug. 19, 1881	"	24	Illinois	"	9
250	Ervin, Wm.	Aug. 19, 1881	"	61	Virginia	"	9
3315	Hays, John S.	April 12, 1884	"	23	Illinois	Licentiate in pharmacy	2½
118	Herlocker, D. A.	Aug. 9, 1881	"	30	"	In business July 1, 1881	3
766	Keefer, John M.	Aug. 18, 1881	"	41	Maryland	"	17
2310	Kyle, Frank R.	Sept. 20, 1881	"	41	Illinois	"	23
2490	Lane, E. A.	Oct. 4, 1881	"	34	"	"	13
1354	Lane, Charles L.	Oct. 4, 1881	"	37	"	"	13
3425	Nunn, George L.	Aug. 31, 1881	"	21	Europe	Licentiate in pharmacy	1 yr. 10 m.
2891	Rost, Louis N.	Jan. 12, 1882	"	28	"	"	2½ years
2891	Rost, Louis N.	April 14, 1882	"	27	Penn.	"	8
2855	Stinson, Wm. J.	Jan. 12, 1882	"	27	"	"	8
110	Brinkerhoff, E. M. L.	Aug. 9, 1881	Prairie City	60	New Jersey	In business July 1, 1881	20
2839	Connor, John T.	Oct. 5, 1881	"	38	Indiana	"	1 month
1521	Kreider, H. W.	Sept. 1, 1881	"	62	Penn.	Graduate in medicine	10 years
1570	Webb, Silas A.	Aug. 10, 1881	Scio	35	Illinois	In business July 1, 1881	5
1344	Fulton, James	Aug. 31, 1881	Tennessee	57	"	"	20
3225	Pittman, W. B.	July 17, 1883	"	52	"	Graduate in medicine	"

McHENRY COUNTY.

1577	Nason, Wm. A.	Sept. 1, 1881	Algonquin	40	Mass.	In business July 1, 1881	3 years
2253	Puffer, Samuel L.	Sept. 20, 1881	Chemung	54	"	"	17
2147	Lowell, L. D.	Sept. 20, 1881	Crystal Lake	44	New York	Graduate in medicine	10
1890	Groesbeck, J. W.	Sept. 1, 1881	Harvard	42	"	"	16
1691	Richardson, S.	Aug. 9, 1881	"	30	Vermont	In business July 1, 1881	17
1691	Wilkinson, C. M.	Sept. 1, 1881	"	30	Illinois	"	12
2038	Farris, Theo. R.	Sept. 20, 1881	Huntley Grove	31	"	"	31
738	Basley, George W.	Sept. 17, 1881	McHenry	35	Michigan	"	10
2452	Colby, Henry	Oct. 4, 1881	"	38	Illinois	"	16
376	Patrol, F. W.	Aug. 9, 1881	Marengo	30	New York	"	9

3674 Rice, John F.	Aug. 21, 1884	Marengo	28 Wisconsin..	Licentiate in pharmacy	8 years..
3723 Gideon, D. C.	Oct. 23, 1884	Nunda	26 Illinois..	Graduate in medicine	10 years..
1410 Dickinson, G. W.	Aug. 31, 1881	"	24 Minnesota..	Graduate in pharmacy	5 years..
3657 McJohnston, W. E.	Aug. 4, 1884	"	32 Indiana..	Graduate in medicine	2
3263 Smith, Frank	Oct. 4, 1881	"	25 Illinois..	In business July 1, 1881	12 years..
3718 Smith, Jay	Oct. 4, 1881	"	27 Wisconsin..	Graduate in medicine	15
3821 Zimbeck, R. D.	Mar. 21, 1885	Richmond	42 Mass..	In business July 1, 1881	5
1266 Alexander, A. B.	Aug. 31, 1881	"	46 England..	"	20
1463 Haythorn, J. W.	Aug. 31, 1881	"	41 Vermont..	"	13 years..
1464 Smith, J. C.	Aug. 31, 1881	"	47 Illinois..	Graduate in medicine	13
2754 Davis, Alvin F.	Dec. 14, 1881	Ridge Field.	37 Illinois..	In business July 1, 1881	7
3265 Sheldon, E. L.	Aug. 7, 1883	Union	40 W. Virginia	"	23
2966 Hoy, Luman T.	Aug. 9, 1884	Woodstock	28 Vermont..	Graduate in medicine	20
2721 Murphy, A. R.	Dec. 14, 1881	"	34 New York..	In business July 1, 1881	
1417 Stone, Edward E.	Aug. 31, 1881	"			
1418 Stone, Geo. F.	Aug. 31, 1881	"			
2067 Wright, A. S.	Sept. 20, 1881	"			

McLEAN COUNTY.

2260 Atherton, O. G.	Sept. 20, 1881	Arrowamith	36 Kentucky..	In business July 1, 1881	11 years..
672 Hull, Madison D.	Aug. 10, 1881	"	29 Illinois..	"	2
1182 Lester, Geo. F.	Aug. 31, 1881	"	25 " "	"	9
18 Stokes, Geo. W.	Aug. 9, 1881	Belleflower	31 England..	"	12
1411 Blanchard, E. H.	Aug. 31, 1881	Bloomington	60 Vermont..	"	12
530 Loblenz, J. C.	Aug. 10, 1881	"	38 Ohio..	"	12
2795 Craig, Wm. R.	Dec. 14, 1881	"	24 Illinois..	"	16
2912 Dawson, R. H.	April 14, 1882	"	37 " "	"	5
149 Dunn, Emrl	Aug. 9, 1881	"	36 " "	In business July 1, 1881	15
1866 Dyson, D. S.	Sept. 1, 1881	"	48 Maryland..	"	48
3897 Elder, Wm. A.	April 22, 1885	"	59 New York	Graduate in medicine	18 years..
670 Epey, John E.	Aug. 10, 1881	"	39 Illinois..	In business July 1, 1881	20
9884 Eyster, D. M.	Oct. 6, 1881	"	64 Kentucky..	Graduate in medicine	3
3124 Garrison, Chas. F.	April 12, 1883	"	18 Illinois..	Licentiate in pharmacy	7
2841 Green, H. H.	Jan. 12, 1882	"	28 " "	In business July 1, 1881	5
1371 Hooper, A.	Aug. 31, 1881	"	23 Penn..	Licentiate in pharmacy	6
3180 Loar, A. D.	April 12, 1883	"	54 " "	Graduate in medicine	13 years..
3822 Loar, James	July 17, 1883	"	31 Maine..	Graduate in pharmacy	32
3227 Little, John R.	July 17, 1883	"	49 Illinois..	In business July 1, 1881	8
669 Marmon, W. W.	Aug. 10, 1881	"	27 New York	"	4
531 Miller, John M.	Aug. 10, 1881	"	34 Penn..	Licentiate in pharmacy	2 years..
2891 Moore, J. F.	April 14, 1882	"	46 Ohio..	Graduate in medicine	
3745 Patterson, Newell	Dec. 8, 1884	"	20 New York	Licentiate in pharmacy	
3134 Randolph, B. F.	April 12, 1883	"			

McLean County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1294	Rinehart, A. N.	Aug. 31, 1881	Bloomington	38	Virginia	In business July 1, 1881	14 years
3326	White, C. H.	Oct. 13, 1883	Chenopa	21	Illinois	Licentiate in pharmacy	3
2435	Banta, Thos. J.	Oct. 4, 1881	"	32	"	In business July 1, 1881	14
67	Lenney, J. W.	Aug. 9, 1881	"	32	Illinois	"	10
3950	Ruger, Dewey	Oct. 16, 1882	"	27	Illinois	"	12
2170	Becker, V. J.	Sept. 20, 1881	Colfax	27	New York	In business July 1, 1881	2½
2417	Wilson, Isaac A.	Sept. 23, 1881	"	34	Ohio	Graduate in medicine	2
3384	Ballard, Henry F.	Dec. 24, 1883	Cooksville	21	Kentucky	"	4 months
1924	Loar, Geo. F.	Sept. 1, 1881	Cropsey	22	Penn.	In business July 1, 1881	2 years
1925	Loar, David W.	Sept. 1, 1881	"	27	"	"	12
379	Musselman, John.	Aug. 9, 1881	Danvers.	27	Illinois	"	6
1643	Montgomery, Jas.	Sept. 1, 1881	Downs.	47	Ireland	"	"
3311	Wilson, M. C.	Oct. 1, 1883	"	32	Ohio	Graduate in medicine	2 years
123	Shinkle, C. F.	Aug. 9, 1881	Ellsworth.	27	Illinois	In business July 1, 1881	10 months
2471	Frank, G. A.	Oct. 4, 1881	Gridley.	41	Penn.	"	10 years
186	Hoover, D. L.	Aug. 9, 1881	"	35	Illinois	"	"
866	Hill, Fred H.	Aug. 19, 1881	Heyworth	31	Ohio	"	2
2310	Aldrich, J. W.	Jan. 13, 1882	Hudson	41	Mass.	"	10
2748	Cox, Chas. E.	Dec. 14, 1881	"	33	Maine	"	10
147	Buckworth, Wm.	Aug. 9, 1881	LeRoy	53	Delaware	Graduate in medicine	10
2284	Vandevanter, S. D.	Sept. 20, 1881	"	24	Illinois	In business July 1, 1881	4
461	Grier, R. S.	Aug. 9, 1881	Lexington	37	Penn.	"	12
3009	Packard, Jas. D.	Aug. 1, 1882	"	25	Illinois	"	6
3071	Dillman, A. R.	Dec. 20, 1882	McLean	26	Germany	"	9
719	Fisk, A. C.	Aug. 17, 1881	"	32	Illinois	Graduate in medicine	12
33	Wagner, John	Aug. 9, 1881	"	29	Prussia	In business July 1, 1881	6
750	McCann, James	Aug. 17, 1881	Normal	49	Indiana	"	23
1217	Mills, Thomas M.	Aug. 31, 1881	"	61	Ohio	"	5
3746	Chapman, A. L.	Dec. 14, 1881	Oak Grove	34	"	"	4
3499	White, D. A.	April 7, 1881	"	37	"	"	"
887	McDaniel, Creed	Aug. 19, 1881	Saybrook	28	Illinois	Graduate in medicine	4 years
7	Travis, Miles B.	Aug. 9, 1881	"	30	Penn.	In business July 1, 1881	5
319	Gerbrick, W.	Aug. 9, 1881	Stanford	32	"	"	2
306	Rockhold, John	Aug. 18, 1881	"	48	Illinois	"	3 months
3249	Riley, W. H. John	July 24, 1883	"	27	"	"	"
574	Howard, G. W.	Aug. 10, 1881	Towanda	47	New York	Graduate in medicine	20 years
565	Macy, Wm. H.	Aug. 10, 1881	"	47	Mass.	In business July 1, 1881	16

MACON COUNTY.

841 Spooner, H. L.	Aug. 18, 1881	Blue Mound	47 Ohio	In business July 1, 1881	8 years
842 Sprague, J. C.	Aug. 18, 1881	"	30 "	"	4 "
1763 Ubrich, Phares	Sept. 1, 1881	"	41 "	"	4 "
1681 Armstrong, W. C.	Aug. 9, 1881	Decatur	36 Tennessee	Licentiate in pharmacy	17 "
8318 Armstrong, Ellis W.	Oct. 13, 1883	"	22 Illinois	"	3 "
8321 Brown, E. J.	Oct. 13, 1883	"	18 "	In business July 1, 1881	2 "
54 Brownlee, Reuben	Aug. 9, 1881	"	40 Wisconsin	"	1 "
2187 Cole, Hiram B.	Sept. 20, 1881	"	31 Illinois	Licentiate in pharmacy	11 "
5766 Hoy, Edward M.	Jan. 16, 1885	"	23 Illinois	In business July 1, 1881	2 1/4 "
1508 Hubbard, J. T.	Sept. 1, 1881	"	40 Indiana	"	13 "
3807 Hubbard, W. H.	Sept. 27, 1883	"	28 New York	In business July 1, 1881	9 "
2307 Irwin, S. M.	Sept. 20, 1881	"	26 Illinois	"	5 "
3804 McGeiland, C. B.	July 2, 1884	"	23 "	Licentiate in pharmacy	2 "
3303 Putnam, E. C.	Sept. 21, 1883	"	30 "	Graduate in medicine	3 "
2306 Priest, George E.	Sept. 20, 1881	"	22 "	In business July 1, 1881	4 years
1678 Shilling, C. F.	Sept. 1, 1881	"	24 Indiana	"	3 "
162 Smith, Henry	Aug. 9, 1881	"	33 Illinois	Graduate in medicine	16 "
2188 Stoner, A. J.	Sept. 20, 1881	"	53 Ohio	In business July 1, 1881	12 "
1826 Swearingen, J. A.	Sept. 1, 1881	"	35 "	Graduate in medicine	14 "
5791 Hall, Joseph C.	Feb. 5, 1885	Forsythe	46 Virginia	"	"
1745 Draper, O. H.	Sept. 1, 1881	Macon	36 Indiana	In business July 1, 1881	1 year
1797 Drinkall, T. C.	Sept. 1, 1881	"	39 Illinois	"	3 years
1629 Austin, W. H.	Sept. 1, 1881	Maroa	40 Ohio	"	11 "
648 Axton, W. S.	Aug. 10, 1881	"	25 Indiana	"	6 "
1830 Gault, J. M.	Sept. 1, 1881	"	30 Ohio	"	10 "
184 Amelz, John	Aug. 9, 1881	"	33 Germany	"	15 "
3803 Davidson, D. L.	April 24, 1885	Mt. Zion	42 Illinois	Graduate in medicine	"
3808 Earls, Eli S.	Oct. 8, 1884	Niantic	77 Virginia	"	"
2072 Rice, John H.	Sept. 20, 1881	"	28 Illinois	"	1 year
639 Richardson, C. B.	Aug. 17, 1881	"	28 Kentucky	In business July 1, 1881	8 years
1843 Drury, George W., Jr.	Sept. 1, 1881	Oreana	27 Illinois	"	1 "
3123 Calto, Wm. M.	April 12, 1883	Warrensburg	24 Canada	Licentiate in pharmacy	3 1/2 "
2659 Demsey, C. F.	Sept. 20, 1881	"	42 Ohio	Graduate in medicine	13 "

MACOUPIN COUNTY.

2160 Trout, W. A.	Sept. 20, 1881	Atwater	28 Missouri	Graduate in medicine	"
1384 Brown, Wm. T.	Aug. 31, 1881	Bar's Store	35 Illinois	In business July 1, 1881	4 years
1684 Young, John G.	Aug. 19, 1881	"	31 Tenn.	"	2 1/2 "
683 Dickerson, J. T.	Aug. 10, 1881	Brighton	53 Delaware	Graduate in medicine	16 "

Macoupin County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
179	Budd, H. R.	Aug. 9, 1881	Bunker Hill.	29	Illinois	In business July 1, 1881.	7 years..
180	Budd, Wm. N.	Aug. 9, 1881	"	28	"	"	7 "
1864	Delano, John A.	Sept. 1, 1881	"	65	Mass.	"	30 "
22	Boring, A. M.	Aug. 9, 1881	Carlinsville	38	Illinois	"	6 "
23	Graham, Wm. D.	Aug. 9, 1881	"	33	"	"	13 "
2553	Holiday, C. H.	Oct. 4, 1881	"	59	Kentucky	Graduate in medicine	15 "
980	Klaunenberg, C. H.	Aug. 19, 1881	"	27	Illinois	In business July 1, 1881.	13 "
1997	McClure, Jas. A.	Sept. 20, 1881	"	26	"	"	10 "
1995	McClure, M.	Sept. 20, 1881	"	29	Kentucky	"	17 "
3580	Loehr, T. C.	May 24, 1884	"	21½	Illinois	Graduate in pharmacy	2 years..
3772	Steinmeyer, W. O.	Jan. 16, 1885	"	34	Germany	Licentiate in pharmacy	4 "
1495	Gary, Wm. A.	Sept. 1, 1881	Chesterfield.	30	Illinois	In business July 1, 1881.	10 "
2414	Hutchinson, C. W.	Sept. 23, 1881	Gillespie.	27	Ohio	"	11 "
402	Armstrong, O. C.	Aug. 9, 1881	Girard.	44	Illinois	"	16 "
111	Clark, Ben. F.	Aug. 9, 1881	"	52	"	"	4 "
810	Loomis, T. A.	Aug. 18, 1881	Medora.	28	"	"	4 "
181	Loper, T. L.	Aug. 9, 1881	"	28	"	"	1 "
1533	Nevins, Alex.	Sept. 1, 1881	Modesto.	25	"	"	2 "
3179	Freiner, Martin.	Sept. 7, 1881	Mt. Olive.	43	Germany	"	18 "
3175	Berry, R. D.	July 7, 1883	Nilwood.	28	Illinois	Graduate in medicine	2 years..
2793	King, Patrick.	Dec. 14, 1881	"	53	Ireland	In business July 1, 1881.	11 "
1406	Bramley, Robt.	Aug. 31, 1881	Palmyra.	42	England	"	2 "
1399	Smith, Alex.	Aug. 31, 1881	"	31	Scotland	"	2 "
822	Clark, Geo. H.	Aug. 18, 1881	Piassa.	29	Illinois	"	2 "
3842	Barwash, T. N.	Nov. 15, 1883	Plainview.	36	Canada	Graduate in medicine	10 years..
738	Gobbie, John P.	Aug. 17, 1881	Scottville.	39	Illinois	In business July 1, 1881.	11 "
735	Gobbie, Isaac N.	Aug. 17, 1881	"	41	"	"	11 "
731	Hancock, Geo. H.	Aug. 17, 1881	"	38	New York.	"	11 "
739	Wheeler, M. H.	Aug. 17, 1881	"	52	Kentucky	"	11 "
113	Gison, Geo.	Aug. 16, 1881	Shipman.	28	Illinois	Graduate in medicine	2 "
3007	Buchnell, W.	Aug. 18, 1882	Stapinton.	25	"	"	2 "
3006	George, A. H.	Aug. 18, 1882	Stapinton.	31	Ohio	"	9 "
628	Austin, Bird.	Aug. 10, 1881	Virden.	39	Illinois	In business July 1, 1881.	14 "
2006	Boyer, John.	Sept. 20, 1881	"	34	Germany	"	4 "
1892	Clark, H. S.	Sept. 1, 1881	"	61	New York.	"	10 "
411	Gish, A. C.	Aug. 9, 1881	"	52	Virginia.	"	17 "

1076 Hanley, G. W.	Aug. 31, 1881	Virgin	Missouri	In business July 1, 1881	17 years
410 Rae, Thos. A.	Aug. 1, 1881	"	Louisiana	"	34
438 Shriver, Jos. H.	Aug. 1, 1881	"	Ohio	"	12
437 Sprague, E. G.	Aug. 10, 1881	"	New York	"	16
3497 Trott, John R.	April 1, 1884	"	Tenn.	Graduate in medicine	

MADISON COUNTY.

3233 Bucknell, S. E.	July 20, 1883	Alhambra	Penn.	Graduate in medicine	19 years
1347 Chamberlain, H. W.	Aug. 31, 1881	Alton	Missouri	In business July 1, 1881	8
1396 Coffey, John A.	Aug. 1, 1881	"	Illinois	"	4
1131 Dietrich, F. S.	Aug. 31, 1881	"	"	"	33
1507 Fink, Adolph	Sept. 1, 1881	"	Germany	"	7
2621 Joesting, E. B.	Oct. 5, 1881	"	Illinois	Graduate in pharmacy	12
3023 Marsh, Ebenezer	Oct. 19, 1881	"	"	Licentiate in pharmacy	11
3023 Merritt, A. P.	Jan. 12, 1884	"	"	In business July 1, 1881	12
45 Mock, P. G.	Aug. 9, 1881	"	Germany	"	20
1387 Roesch, Carl O.	Aug. 31, 1881	"	"	"	2
289 Ulrich, F. H.	Aug. 9, 1881	"	Prussia	"	4
195 Welger, Geo. H.	Aug. 1, 1881	Bethalto	Illinois	Licentiate in pharmacy	6
1732 Neisler, Wm. F.	Sept. 1, 1881	Collinsville	Vermont	"	10
3220 Atwell, F. U.	Oct. 13, 1883	"	"	In business July 1, 1881	9
3506 Burns, J. H.	July 2, 1884	"	Missouri	"	12
1172 Grosze, H. G.	Aug. 31, 1881	Edwardsville	Illinois	Graduate in pharmacy	25
2563 Bickelhaunt, H.	Jan. 13, 1882	"	"	"	10
3201 Harnisi, Wm. D.	Aug. 19, 1881	Highland	Missouri	"	9
3001 Knoebel, E.	Aug. 8, 1882	"	Illinois	In business July 1, 1881	10
1190 Mueller, A. J. G.	Aug. 31, 1881	"	Germany	"	10
2298 Richardson, L. A.	Sept. 20, 1881	Marine	Illinois	"	5 months
2407 Montgomery, Wm.	Sept. 23, 1881	Moro	"	"	37 years
1194 Lord, John W.	Aug. 31, 1881	New Douglas	"	"	2
99 Barth, Geo. F.	Aug. 9, 1881	North Alton	Germany	"	9 1/2
1673 Wood, Harrison F.	Sept. 1, 1881	St. Jacobs	Illinois	"	25
475 Kingston, Sumson	Aug. 9, 1881	Troy	Mass.	Graduate in medicine	18
53 Sabin, F. A.	Aug. 9, 1881	"	"	"	7
1821 Stebbins, Fred. J.	Sept. 1, 1881	Upper Alton	Missouri	"	8
1824 Swift, Henry C.	Sept. 1, 1881	Yentoe	"	"	
360 Wulfemeyer, H. H.	Aug. 9, 1881	Worden	Illinois	"	
428 Paul, Philip H.	Aug. 9, 1881	"	"	"	

MARION COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
919	Blythe, Wm.	Aug. 19, 1881	Centralla.....	21	Illinois.....	In business July 1, 1881.....	5 years..
845	Buck, Henry D.	Aug. 18, 1881	"	46	New York.....	"	15 "
1244	Paft, Jerome J.	Aug. 31, 1881	"	39	Switzerland.....	Graduate in medicine.....	5 "
3286	Marshall, C. P.	Sept. 3, 1883	"	27	Illinois.....	In business July 1, 1881.....	5 years..
1915	Beaver, B. N.	Sept. 1, 1881	Luka.....	44	Ohio.....	"	14 "
2749	Daniels, Geo. E.	Dec. 14, 1881	"	15	Illinois.....	"	5 months
1884	Irwin, Harry L.	Sept. 1, 1881	"	42	Missouri.....	"	5 years..
655	Irwin, J. A.	Aug. 10, 1881	"	45	Tennessee.....	Graduate in medicine.....	20 "
291	Irwin, Thos. L.	Aug. 9, 1881	"	24	England.....	Licentiate in pharmacy.....	4 "
3501	Bargh, E. C.	April 12, 1884	Kinmundy.....	27	Ohio.....	In business July 1, 1881.....	4 "
297	Green, H. F.	Aug. 9, 1881	"	46	Illinois.....	"	16 "
1555	Hallister, L. L.	Sept. 1, 1881	"	32	Tennessee.....	"	3 "
1247	Phillips, S. D.	Aug. 31, 1881	Odin.....	41	Illinois.....	In business July 1, 1881.....	5 "
1247	Phillips, Wm. H.	Aug. 31, 1881	"	62	Kentucky.....	Graduate in medicine.....	20 "
2325	Altom, Jesse	Sept. 20, 1881	Patoka.....	28	Illinois.....	"	3 "
2726	Beach, E. M.	Dec. 14, 1881	"	68	Maryland.....	In business July 1, 1881.....	17 years..
1199	Lewis, James B.	Aug. 31, 1881	"	21	Illinois.....	"	4 "
3926	Feltman, Carlos A.	Mar. 28, 1885	Salem.....	26	W. Virginia.....	"	11 months
72	Herron, Samuel J.	Aug. 9, 1881	"	59	Ireland.....	Graduate in medicine.....	3 "
74	Schwartz, Frank	Aug. 9, 1881	"	68	Maryland.....	In business July 1, 1881.....	17 years..
73	Schwartz, Joseph	Aug. 9, 1881	"	21	Illinois.....	"	4 "
2336	Sherman, H. L.	Sept. 20, 1881	Sandoval.....	26	W. Virginia.....	"	11 months
1794	Morton, Samuel M.	Sept. 1, 1881	Vernon.....	59	Ireland.....	Graduate in medicine.....	3 "

MARSHALL COUNTY.

775	Bradway, O. F.	Aug. 18, 1881	Henry.....	30	New Jersey.....	In business July 1, 1881.....	9 years..
2386	Durfee, C. B.	Oct. 12, 1881	"	59	New York.....	Graduate in medicine.....	10 years..
616	Powell, Fred A.	Aug. 10, 1881	"	39	Illinois.....	In business July 1, 1881.....	30 "
1010	Nice, John W.	Aug. 19, 1881	"	46	Iridiana.....	"	7 "
3146	Zimmerman, A. H.	April 30, 1883	"	25	Illinois.....	Graduate in medicine.....	18 years..
3442	Swen, J. A.	July 21, 1884	"	26	Missouri.....	In business July 1, 1881.....	7 "
1180	Buchanan, E. L.	Aug. 31, 1881	Leacon.....	50	W. Virginia.....	Graduate in medicine.....	17 years..
1258	Brotherhood, L.	Aug. 31, 1881	"	28	Illinois.....	"	6 "
1476	Gale, F. U.	Sept. 1, 1881	"	40	Vermont.....	Graduate in medicine.....	1 "
3253	Thomas, Robert H.	Aug. 28, 1883	"	22	Illinois.....	"	7 "

1638 Sherwood, L. I.	Sept. 1, 1881	LaRose	51 New York..	In business July 1, 1881.	11 years..
1657 Stuebing, Louis	Sept. 1, 1881	..	38 Prussia..	..	8 ..
2308 Athay, A. J.	Sept. 20, 1881	Spauld	29 New York..	..	6 ..
2309 Gape, T. E.	Sept. 20, 1881	..	41 Illinois..	..	23 ..
29 Evans, Jesse W.	Aug. 9, 1881	Varna..	43 Indiana..	Graduate in medicine.	6 months.
261 Downey, Clark	Oct. 4, 1881	Wenona	47 Ohio..	In business July 1, 1881.	9 years..
2339 Downey, Wm. L.	Oct. 4, 1881	..	44 ..	Graduate in medicine.	18 ..
1316 Vaughn, Isaac	Aug. 31, 1881	..	50 ..	In business July 1, 1881.	14 ..
3764 Beckworth, O. Q.	Jan. 16, 1885	..	20 Illinois..	Licentiate in pharmacy.	3 ..

MASON COUNTY.

135 Harrison, D. C.	Aug. 9, 1881	Bath..	36 Virginia..	Graduate in medicine.	2 years..
1834 Town, Jiles S.	Sept. 1, 1881	Easton..	52 Ohio..	In business July 1, 1881.	31 ..
413 Marling, E. S.	Aug. 9, 1881	Forest City	31 New Jersey.	..	4 ..
3919 Paul, Edward W.	May 9, 1885	..	29 Illinois..	Graduate in medicine.	5 years..
2334 Allen, W. H.	Sept. 20, 1881	Havana	29 ..	In business July 1, 1881.	9 ..
973 Covington, M.	Aug. 19, 1881	..	27 ..	..	10 ..
265 Doering, Charles	Aug. 9, 1881	..	48 Germany..	..	6 ..
351 Ross, Lewis W.	Aug. 9, 1881	..	31 Illinois..	..	13 ..
1965 Ruggles, H. O.	Sept. 1, 1881	Kilbourne	36 New Jersey.	..	11 ..
145 Leslie, Wm. H.	Aug. 9, 1881	Manito..	32 ..	..	15 ..
14 Bradley, Allen	Aug. 9, 1881	Mason City	38 Illinois..	..	8 ..
265 Day, David S.	Aug. 9, 1881	..	45 Ohio..	..	31 years..
1155 Fleming, G. W.	Aug. 31, 1881	..	26 Illinois..	..	3 ..
77 Hopkins, John H.	Aug. 9, 1881	..	34 Missouri..	..	4 ..
2169 Warnock, W. Jr.	Sept. 20, 1881	..	47 Ohio..	..	4 ..
560 Linbarger, E. S.	Aug. 10, 1881	San Jose	39 New York..	..	4 ..
2179 Reamsten, J. H.	Sept. 20, 1881	St. Cate.	42 Germany..	..	5 ..
450 Marz, C. H.	Aug. 9, 1881	Topeka	45 Penn..	..	7 ..
1880 Porrell, J. A.	Aug. 31, 1881	..	43 Virginia..	..	7 ..

MASSAC COUNTY.

781 Harkins, C.	Aug. 13, 1881	Joppa	29 Kentucky ..	In business July 1, 1881.	4 years..
642 Conner, C. W.	Aug. 10, 1881	Metropolis City	22 Missouri..	..	3 ..
641 Conner, John Q.	Aug. 10, 1881	..	25 Illinois..	..	3 ..
3914 Davison, W. T.	April 30, 1885	..	27 ..	Graduate in medicine.	..
221 Cowan, Jas. E.	Aug. 9, 1881	..	39 Tenn..	..	39 ..
3878 Halliday, F. A.	Aug. 30, 1884	..	42 Missouri..	..	39 ..

Massac County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1492	Leek, Robt. H.	Sept. 1, 1881	Metropolis City.	53	Tenn.	In business July 1, 1881.	15 years.
1538	Walsh, Jas.	Sept. 1, 1881	"	55	England.	"	3 "
1436	Willis, John W.	Aug. 10, 1881	"	33	Illinois	Graduate in medicine.	8 "
1295	Burnett, J. W.	Aug. 31, 1881	New Columbia.	38	Ohio	"	4 "
1615	Young, John D.	Jan. 13, 1882	Pellonia.	37	Tenn.	In business July 1, 1881.	10 "
2069	Stophlet, L. D.	Aug. 19, 1881	Samoth.	64	Ohio	"	14 "

MENARD COUNTY.

854	Hargraves, M. T.	Aug. 18, 1881	Athens.	39	N. Carolina.	In business July 1, 1881.	7 years.
855	Scott, Chas. C.	Aug. 18, 1881	"	32	Ohio	"	4 "
1743	Stevens, A. N.	Sept. 1, 1881	"	21	Illinois.	"	1 yr. 5 mo
201	Young, W. W.	Aug. 9, 1881	"	34	"	"	3 years.
1744	Dockum, Hosea.	Sept. 1, 1881	Greenville.	42	Ohio	"	25 "
853	Reed, C. C.	Aug. 18, 1881	"	30	Illinois.	Graduate in medicine.	10 "
1969	Stone, J. H.	Sept. 1, 1881	"	36	"	In business July 1, 1881.	3 "
2289	Watkins, S. L.	Sept. 20, 1881	Oakford.	27	"	"	5 "
1181	Fischer, John G.	Aug. 31, 1881	Petersburg.	48	Germany	"	19 "
24	Fisher, Theo.	Aug. 9, 1881	"	32	Illinois	"	11 "
3245	Luthringer, G. F.	July 23, 1883	"	23	"	"	8 "
853	Stewart, Homer	Aug. 18, 1881	"	51	Ohio	In business July 1, 1881.	14 "
1970	Schrold, Jos.	Sept. 1, 1881	Sweetwater.	36	New York.	"	3 "
3621	Conway, J. S.	July 7, 1884	Tallula.	36	Indiana	Graduate in medicine.	1 year.
1015	Glenn, Jas. A.	Aug. 19, 1881	"	30	Ohio	"	"

MERCER COUNTY.

899	Craig, A. L.	Aug. 18, 1881	Aledo.	28	Illinois	Graduate in medicine.	10 years.
808	Craig, Wm. D.	Aug. 18, 1881	"	35	Indiana	"	9 "
2043	Johnson, D. R.	Sept. 20, 1881	"	39	Ohio	"	5 "
1386	Wray, A. L.	Dec. 24, 1883	Cable	31	Illinois	"	"
1438	Bishop, Leah	Aug. 31, 1881	Eliza.	38	Penn.	In business July 1, 1881.	5 years.
2005	Criswell, M.	June 16, 1882	Hamlet.	34	"	"	6 "

3624 Derr, N. H.	May 5, 1884	Toy	35 Penn.	Graduate in medicine	12 years.
231 Hadley, W.	Aug. 8, 1881	Kethsburg.	40 Maine	In business July 1, 1881.	34
848 Kelley, Samuel.	Aug. 18, 1881	"	69 New Jersey.	Graduate in medicine.	"
3250 Kelley, Wilbur.	July 25, 1883	"	24 Indiana.	In business July 1, 1881.	4 years.
331 Marshall, T. A.	Aug. 9, 1881	"	25 Illinois.	In business July 1, 1881.	21
352 Phares, Wm. H.	Aug. 9, 1881	"	61 Ohio.	In business July 1, 1881.	7
3445 Willis, A. P.	Oct. 16, 1882	"	30 Illinois.	In business July 1, 1881.	28
1251 Abree, Thos. H.	Aug. 31, 1881	New Boston	59 Ohio.	In business July 1, 1881.	10 years.
3556 Brus, Thos. H.	Aug. 4, 1884	"	59 Penn.	Graduate in medicine.	"
1250 Lytle, Geo.	Aug. 31, 1881	"	42 Penn.	In business July 1, 1881.	6 months.
3804 Emerson, E. L.	Sept. 21, 1883	New Windsor	37 Illinois.	In business July 1, 1881.	5 years.
501 Johnston, M. H.	Aug. 10, 1881	North Henderson.	28 Ohio.	Graduate in medicine.	11
2513 Seyler, Jas. H.	Oct. 4, 1881	Preemption.	39 Penn.	In business July 1, 1881.	"
2569 McKinnle, E. L.	Oct. 4, 1881	Viola.	58 Ohio.	Graduate in medicine.	"

MONROE COUNTY.

1361 Rose, Wm.	Aug. 31, 1881	Columbia	33 Germany	Graduate in medicine	15 years.
208 Seyhardt, L. E.	Aug. 9, 1881	"	23 Michigan	"	"
403 Chawling, Jesse.	Aug. 9, 1881	Renault	44 Illinois	"	"
3521 Kuester, Emile.	April 12, 1884	Waterloo	23	Licentiate in pharmacy.	8

MONTGOMERY COUNTY.

3269 Moyer, M. L.	Aug. 7, 1883	Butler	33 N. Carolina.	Graduate in medicine	5 years.
3283 Wesner, W. A.	Sept. 1, 1881	"	30 Indiana.	In business July 1, 1881.	"
3595 Hendrix, J. T.	June 16, 1884	Filmore	37 Tenn.	Graduate in medicine	"
3911 Short, H. M.	April 27, 1885	"	45 N. Carolina.	"	"
3259 Cox, P. M.	July 23, 1883	Harvel	30 Illinois.	In business July 1, 1881.	6 years.
1124 Ramsey, Geo. J.	Aug. 31, 1881	"	31 Penn.	Graduate in medicine	9 years.
3847 Wilson, J. C.	July 24, 1884	"	24 Illinois	In business July 1, 1881.	30
1067 Douglass, Edmund.	Aug. 31, 1881	Hillsboro.	35 Missouri.	Graduate in medicine	"
1475 Edwards, P. J.	Sept. 1, 1881	"	49 Illinois.	In business July 1, 1881.	"
498 Ralston, W. B.	Aug. 10, 1881	"	24 Penn.	"	5
527 Shubfield, E. W.	Aug. 10, 1881	"	24 Illinois.	"	"
1407 Bartlett, Samuel D.	Aug. 31, 1881	Irving.	21 "	"	3 months
2284 Parker, Wm. H.	Sept. 20, 1881	"	21 "	"	1 year
1430 Parkhill, W. V.	Sept. 20, 1881	"	25 Ohio.	Graduate in medicine	3
2381 Sprinkle, J. B. R.	Aug. 31, 1881	"	23 Indiana.	In business July 1, 1881.	1
2281 Sprinkle, W. B.	Sept. 20, 1881	"	23 Indiana.	Graduate in medicine.	1
2364 Winn, Marshall	Sept. 20, 1881	"	30 Illinois.	In business July 1, 1881.	4

Montgomery County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years expiration.
1285	Crouch, F. W.	Aug. 31, 1881	Litchfield	35	Tenn.	In business July 1, 1881.	6 months.
1738	Hood, H. S.	Sept. 1, 1881	"	35	Penn.	"	12 years.
1738	Hood, Jos. L.	Sept. 1, 1881	"	62	"	"	26 "
324	Minor, F. R.	Aug. 9, 1881	"	34	Illinois	"	15 "
194	Henkel, C. L.	Sept. 1, 1881	Nokomis	29	Virginia	"	5 "
623	Tilden, J. G.	Aug. 10, 1881	Raymond.	71	Vermont	Graduate in medicine.	38 "
285	Tilden, S. S.	Oct. 5, 1881	"	28	Illinois	In business July 1, 1881.	10 "
1541	Wubker, Henry	Sept. 1, 1881	Witt.	36	"	"	3 "

MORGAN COUNTY.

893	McKinney, E. P.	Aug. 19, 1881	Chapin	28	Penn.	In business July 1, 1881.	5 years.
3519	Alexander, C. W.	Oct. 13, 1883	Jacksonville	26	Illinois	Licentiate in pharmacy	5 "
1340	Alcott, W. A.	Aug. 31, 1881	"	48	New York	In business July 1, 1881.	38 "
1235	Carter, John	Aug. 31, 1881	"	58	Kentucky	"	15 "
2653	Grimes, Jas. L.	Sept. 20, 1881	"	53	Illinois	"	6 "
2666	Grimes, Will L.	Sept. 20, 1881	"	26	"	"	7 "
71	Hatch, H. Lee	Aug. 9, 1881	"	37	Kentucky	Graduate in medicine.	20 "
227	Hockenhull, R.	Aug. 9, 1881	"	64	England	In business July 1, 1881.	42 "
2785	Kuechler, H. A.	Dec. 14, 1881	"	40	Germany	"	5 "
1257	Mendonosa, J. B.	Aug. 31, 1881	"	26	Madeira	In business July 1, 1881.	4 "
3476	Selfert, G. C. C.	Mar. 18, 1884	"	37	Germany	Graduate in medicine	8 years.
2599	Welch, T. V.	Oct. 4, 1881	"	40	Illinois	"	2 "
249	Young, John W.	Aug. 9, 1881	Jacksonville	46	Ireland	In business July 1, 1881.	23 "
2772	Kellem, J. W.	Dec. 14, 1881	Lynnville	28	Indiana	"	2 "
3585	Thompson, P. C.	Dec. 31, 1883	Meredosia	32	Illinois	Graduate in medicine	10 1/2 years.
2910	Alman, E. E.	April 14, 1882	Murrayville	38	"	"	14 "
2456	Bennie, Wm	Oct. 4, 1881	Neelyville	46	Scotland	In business July 1, 1881.	3 "
3853	Austin, J. E.	April 16, 1885	Waverly	43	Missouri	Licentiate in pharmacy	5 "
1271	Bradley, Geo. W.	Aug. 31, 1881	"	45	Illinois	Graduate in medicine	5 "
61	Fleming, Wm. C.	Aug. 9, 1881	"	32	Illinois	In business July 1, 1881.	25 "
60	Hutchinson, W. A.	Aug. 9, 1881	"	53	Indiana	"	13 "
62	Swan, Chas. R.	Aug. 9, 1881	"	34	Ohio	"	6 "
285	Wyle, S. B.	Aug. 9, 1881	"	47	Penn.	"	6 "

MOULTRIE COUNTY.

1718 Barrum, John W.	Sept. 1, 1881	Arthur	39 Illinois	In business July 1, 1881	7 years
1291 McMenamy, B. F.	Aug. 31, 1881	Bethany	34 "	Graduate in medicine	5 "
2870 Vadakin, J. H.	July 1, 1883	"	21 "	Licentiate in pharmacy	2 "
3574 Hilligass, E. P.	Dec. 7, 1883	Dalton City	31 Indiana	Graduate in medicine	5 1/2 years
945 Vincent, E. G.	Aug. 19, 1881	Gays	60 Delaware	In business July 1, 1881	3 1/2 "
1186 Blain, A. J.	Aug. 31, 1881	Lake City	30 Illinois	Graduate in medicine	5 "
3625 Donovan, J. D.	July 9, 1884	"	46 Kentucky	"	8 years
468 Hostetter, C. M. L.	Aug. 9, 1881	Lovington	39 Indiana	In business July 1, 1881	10 "
469 Hostetter, F. L.	Aug. 9, 1881	"	27 Illinois	In business July 1, 1881	9 "
1278 Piter, Pompey	Aug. 31, 1881	"	65 New York	In business July 1, 1881	15 "
3462 I'rowbidge, J. D.	Dec. 5, 1882	"	40 Illinois	Licentiate in pharmacy	9 "
270 Livers, Jas. A.	Aug. 9, 1881	Sullivan	37 Indiana	Graduate in medicine	10 "
2883 Parrett, S.	April 14, 1882	"	40 Illinois	"	"
293 Welch, Jas. S.	Aug. 9, 1881	"	"	"	"

OGLE COUNTY.

485 Reichenbach, C.	Aug. 9, 1881	Adeline	55 Illinois	In business July 1, 1881	12 years
1217 French, David H.	Aug. 9, 1881	Baileysville	40 Vermont	"	1 yr. 7 mo.
1319 Artz, Lydia R.	Aug. 31, 1881	Byron	32 Illinois	Graduate in pharmacy	4 years
2527 Evans, E. E.	May 26, 1882	"	45 Mass.	Graduate in medicine	5 "
2636 Robbins, H. C.	Oct. 4, 1881	Creston	28 Penn.	"	10 years
3530 Wilkinson, A. D.	Oct. 15, 1883	"	46 New York	"	31 "
1240 Covell, J. D.	Aug. 31, 1881	Forreston	62 Maryland	In business July 1, 1881	15 "
1652 Haller, Chas. M.	Aug. 17, 1881	"	45 Germany	Graduate in medicine	"
1187 Schultz, R. C.	Aug. 31, 1881	"	27 Penn.	"	"
3222 Masters, Geo. B.	July 17, 1883	Leaf River	"	"	"
3695 Davis, H. G.	Oct. 6, 1884	Monroe Centre	25 Wisconsin	In business July 1, 1881	9 years
2110 Brayton, A. W.	Sept. 20, 1881	Mt. Morris	34 Illinois	"	7 "
1647 Burchett, F. S.	Sept. 1, 1881	Oregon	29 Iowa	Graduate in pharmacy	14 "
2763 Jewett, T. A.	Dec. 14, 1881	"	23 Illinois	In business July 1, 1881	7 "
3782 Light, Wm. W.	Jan. 17, 1885	"	44 New York	Graduate in medicine	10 "
820 Stroth, Rehnus	Aug. 18, 1881	"	24 Penn.	Licentiate in pharmacy	5 years
9830 Acker, Calvin S.	Mar. 31, 1885	Polo	20 Indiana	"	3 1/2 "
3043 Braun, P. M.	Oct. 16, 1882	"	26 Penn.	In business July 1, 1881	9 "
3410 Donaldson, H. E.	Jan. 12, 1884	"	"	"	"
499 Gibboney, R. H.	Aug. 10, 1881	"	"	"	"

Ogle County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experi- ence.
3076	Hunt, H. B.	Jan. 12, 1883	Polio.	26	Illnols.	Licentiate in pharmacy	4 years.
3710	Pierce, Fred. D.	Oct. 16, 1884	Oct.	22	Penn.	In business July 1, 1881.	2
516	Spear, J. L.	Aug. 10, 1881	Aug.	50	Penn.	"	16
187	Barker, Frankla	Aug. 9, 1881	Aug. 9, 1881	40	Ohio	"	15
2255	Clark, Geo. W.	Sept. 20, 1881	Sept.	53	"	"	26
365	Hartong, A. W.	Aug. 9, 1881	Aug.	36	Illnols.	"	10
3211	Vandenburg, H. L.	July 14, 1883	July	30	Canada	Licentiate in pharmacy	10
3541	Wilson, T. J.	April 12, 1884	April 12, 1884	29	Illnols.	In business July 1, 1881.	2 1/2
272	Kennedy, H.	Aug. 9, 1881	Stillman Valley	29	Illnols.	"	11

PEORIA COUNTY.

3200	Burt, Chas. H.	Sept. 29, 1884	Brimfield	28	New Hamp.	Graduate in medicine.	3 years.
3261	Carson, I. H.	Jan. 12, 1883	"	26	Ohio	Licentiate in pharmacy	5
2416	Fisk, F. E.	Oct. 5, 1881	"	21	Illnols.	Graduate in pharmacy	18
2591	Robinson, Wm.	Aug. 9, 1881	"	57	New York	In business July 1, 1881.	13
2539	Caldwell, H. F.	Sept. 20, 1881	Chillicothe	36	Illnols.	"	13
1173	Mead, Wm. M.	Aug. 31, 1881	"	23	"	"	6
2221	Gillett, Amira E.	Sept. 20, 1881	Dunlap	25	New York	Graduate in medicine.	13
2022	Gillett, John	Oct. 4, 1881	"	57	Illnols.	In business July 1, 1881	11
1866	Cole, John	Sept. 1, 1881	Elmore	30	Kentucky	Graduate in medicine.	4 yr. 7 mo.
3453	Cooper, J. F.	Mar. 27, 1884	Elmwood	42	Illnols.	In business July 1, 1881	2 years.
175	Smith, H. C.	Aug. 9, 1881	"	32	Penn.	Graduate in medicine.	18
1061	Noan, W. T.	Aug. 19, 1881	"	41	Illnols.	In business July 1, 1881.	20
1519	Tompkins, J. B.	Sept. 1, 1881	"	53	Penn.	Graduate in medicine	5
701	Fahnestock, A. L.	Aug. 17, 1881	Glasford	39	New Hamp.	In business July 1, 1881.	8
1824	Young, Henry C.	Sept. 1, 1881	Kickapoo	51	New York	Graduate in pharmacy	14
684	Hawver, Wm. P.	Aug. 30, 1881	Montica	38	Switzerland	"	7
552	Abrecht, H.	Aug. 10, 1881	Peoria	34	Canada	Graduate in pharmacy	14
1753	Bell, Jas. S.	Sept. 1, 1881	"	23	Illnols.	"	13
1754	Benton, W. N.	Sept. 1, 1881	"	31	Germany	In business July 1, 1881	13
2383	Bourscheidt, F. C.	Sept. 20, 1881	"	31	Germany	In business July 1, 1881	13

Perry County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
199	Muehlhelms, C. M.	Aug. 9, 1881	DuQuoin.	46	Prussia.	In business July 1, 1881.	16 years.
177	White, Jas. B.	Aug. 9, 1881		45	Penn.		17
1749	Campbell, T. S.	Sept. 1, 1881	Pinckneyville.	37	Illinois		12
2057	Smith, Prudence E.	Sept. 20, 1881		44	Penn.		5
914	Adair, W. M.	Aug. 19, 1881	Swanwick	44	Illinois		4 months.
8498	Ward, F. M.	April 7, 1881	Tamara.	28	Illinois	Graduate in medicine	3 years.
1830	Williams, J. S.	Aug. 31, 1881		42	Kentucky		3
1831	Willoughby, C. L.	Aug. 31, 1881		36	Alabama	In business July 1, 1881.	3

PIATT COUNTY.

1953	Bodman, S. K.	Sept. 1, 1881	Bement.	49	Mass.	In business July 1, 1881.	19 years.
3332	Green, Wilbur F.	Oct. 16, 1883	Cerro Gordo.	24	Illinois	Graduate in medicine	4 years.
2556	Jones, H. C.	Oct. 4, 1881		26	Ohio		4
1849	Miles, Jesse I.	Sept. 1, 1881		27	W. Virginia.	In business July 1, 1881.	2
153	Pease, L. T.	Aug. 9, 1881	Olasco.	29	Illinois	Graduate in medicine	4½
1115	Vail, John.	Aug. 31, 1881	Deland.	43	Ohio	In business July 1, 1881.	2
1385	Noe, Oscar D.	Aug. 31, 1881	Hammond.	34	Indiana	Graduate in medicine	4
2109	Bartholow, J. H.	Sept. 20, 1881	Mansfield.	26	Illinois	In business July 1, 1881.	6
1469	Carberry, D. E.	Sept. 1, 1881		42	Long Island		11
2254	Bohn, Jacob	Sept. 20, 1881	Monticello.	34	Germany	Graduate in medicine.	10
3805	Caldwell, Wm. B.	Feb. 24, 1885		45	Missouri		7½ years.
3237	Holmes, M. M.	July 20, 1883		27	Ohio		10
3145	Keys, P. B.	April 26, 1883		45	New York.		7½ years.
3491	Lee, Levi M.	April 1, 1883		40	Kentucky	Graduate in medicine.	10
615	Zorger, P. W.	Aug. 10, 1881		25	Illinois	In business July 1, 1881.	2 yr. 7mo.
1972	Peel, Francis M.	Sept. 1, 1881	White Heath.	35	Ohio		9 years.

PIKE COUNTY.

1391 Long, Geo. H.	Aug. 31, 1881	Barry	51 Maryland	Graduate in medicine in business July 1, 1881	25 years.
1392 Rowand, J. B.	Aug. 31, 1881	"	35 Penn. Jersey	"	13 "
1393 Rowand, J. S.	Aug. 31, 1881	"	45 "	"	45 "
1394 W. C. D. K.	Aug. 9, 1881	"	46 Penn.	"	10 "
2014 Mills, M. C.	Sept. 30, 1881	Bay/ls	39 Indiana	"	3 months.
1395 Dennis, W. S.	Aug. 19, 1881	Chambersburg	31 Illinois	"	1 years.
1396 Williams, H. D.	Aug. 31, 1881	Detroit	33 Virginia	"	1 "
413 Bacon, Wm. F.	Aug. 3, 1881	El Dara	27 Mass.	"	6 "
84 Ferguson, J. H.	Aug. 9, 1881	Grigsbyville	39 Illinois	"	3 "
1617 Kempton, C. H.	Sept. 1, 1881	"	23 N. Hamp.	"	2 months.
1397 Parker, T. W.	Aug. 31, 1881	"	38 Indiana	Graduate in medicine.	14 years.
1618 Shoemaker, Thos.	Sept. 1, 1881	"	40 New Jersey	in business July 1, 1881	15 "
1619 Wilson, Geo. H.	Sept. 1, 1881	"	27 N. Hamp.	"	2 months.
763 Andrews, D. C.	Aug. 18, 1881	Kinderhook	38 Ohio	"	15 years.
764 Gaines, Selah B.	Aug. 18, 1881	"	39 New York	"	3 "
1633 Campbell, J. P.	Sept. 1, 1881	Milton	34 Ohio	Graduate in medicine	8 "
1018 Barber, Joel H.	Aug. 19, 1881	"	27 Illinois	in business July 1, 1881	2 "
1020 Brown, Wm. M.	Aug. 19, 1881	"	42 "	"	2 "
3594 Doss, E. P.	May 7, 1884	"	23 "	Graduate in medicine.	"
3632 Doss, J. I.	Sept. 5, 1884	"	25 "	"	"
2392 Ray, Chas. R.	Sept. 20, 1881	Nebo	21 "	"	"
3588 Atkinson, H. B.	Aug. 9, 1881	New Canton	39 Missouri	in business July 1, 1881	5 months.
3401 Cover, Daniel, Jr.	Aug. 9, 1881	New Salem	36 Ohio	"	6 years.
3619 Garrison, G. B.	July 3, 1884	Pearl	44 Indiana	Graduate in medicine.	12 "
3820 Thurmon, Charles E.	Mar. 21, 1885	"	32 Illinois	"	"
3823 Thurmon, W. T.	Mar. 24, 1885	"	30 "	"	"
3752 Williams, Wm. T.	Dec. 15, 1884	"	43 "	"	"
404 Ayers, Dana.	Aug. 9, 1881	Perry	72 Mass.	in business July 1, 1881	35 years.
58 Brengelman, H. H.	Aug. 9, 1881	"	51 Germany	"	10 "
52 Dunn, Harvey	Aug. 9, 1881	"	47 Ohio	Graduate in medicine	21 "
457 Sharer, Wm. L.	Aug. 9, 1881	"	32 Illinois	in business July 1, 1881	16 "
1394 Atkinson, Geo. M.	Aug. 31, 1881	Pittsfield	25 "	"	5 "
1393 Harder, C. H.	Aug. 31, 1881	"	32 Mass.	"	10 "
1971 Hyde, D. W.	Aug. 9, 1881	"	58 Vermont	"	17 "
501 Stegle, G.	Aug. 9, 1881	"	50 Germany	"	17 "
79 Stegle, John	Aug. 9, 1881	"	18 "	"	6 "
3466 Smith, R. O.	Mar. 29, 1884	"	23 Illinois	Graduate in medicine	1 "
262 Clara, S. H.	Aug. 9, 1881	Pleasant Hill	31 Missouri	in business July 1, 1881	4 years.
1730 Strubinger, J. H.	Sept. 1, 1881	Rockport	41 Penn.	"	10 "
2401 Colvard, E. B.	Sept. 20, 1881	Strout	37 Illinois	"	6 "
1396 Klein, Walter S.	Sept. 1, 1881	Time	"	"	5 "

POPE COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years expiration.
2438	King, Wm.	Oct. 4, 1881	Rose Bud	39	Illinois	In business July 1, 1881	12 years.
3267	Hart, S. F.	Aug. 7, 1883	Eddyville	35	Tenn.	Graduate in medicine	1 year.
1837	Benham, J. H.	Sept. 1, 1881	Golconda	49	Connecticut	In business July 1, 1881	16 "
986	Boicourt, J. M. H.	Aug. 19, 1881	"	62	Indiana	"	16 "
1867	Boicourt, Wm. H.	Aug. 19, 1881	"	35	Illinois	"	16 "
1838	Young, John B.	Sept. 1, 1881	"	34	Scotland	"	1 "
2763	McCauley, J. N.	Dec. 14, 1881	New Liberty	28	Illinois	"	8 months.
2768	McCauley, M. A.	Dec. 14, 1881	"	32	"	"	8 "
2743	Shearer, John A.	Dec. 14, 1881	"	57	"	"	30 years.

PULASKI COUNTY.

3982	Grace, J. H.	April 14, 1882	Mound City	32	Illinois	Licentiate in pharmacy	3 years.
3987	Rogers, Henry H.	Mar. 28, 1885	"	30	Maine	Graduate in medicine	3 months.
611	Bristow, Geo. W.	Aug. 10, 1881	New Grand Chain	48	Indiana	In business July 1, 1881	7 months.
604	Fillinstein, Jacob	Aug. 10, 1881	"	20	Ohio	"	4 years
2730	Lewis, A. W.	Dec. 14, 1881	Pulaski	31	Illinois	"	10 "
1559	Kowley, Jos. W.	Sept. 1, 1881	"	6	England	"	"
3217	Crecellus, G. W.	July 17, 1883	Olmsted	51	Indiana	Graduate in medicine	"
644	Edson, Willis B.	Aug. 10, 1881	Villa Ridge	60	New York	In business July 1, 1881	20 years
3577	Kelly, I. H.	May 24, 1884	"	30	Ohio	Graduate in medicine	"

PUTNAM COUNTY.

1214	Shepard, Levi L.	Aug. 31, 1881	Granville	30	Illinois	In business July 1, 1881	5 years.
2453	McCormick, Geo. A.	Sept. 20, 1881	Henneplin	34	"	"	12 "
1289	Noxon, Andrew C.	Aug. 31, 1881	"	40	New York	"	23 "
1884	Seaton, Jas. H.	Sept. 1, 1881	"	44	Indiana	Graduate in medicine	16 "
3681	Stipp, Jas. H.	Sept. 5, 1884	Putnam	32	Illinois	"	"

RANDOLPH COUNTY.

2320 Rhodes, O. H.	Sept. 23, 1881	Baldwin	47 New York.	In business July 1, 1881.	8 years.
1932 Anderson, A. A.	Sept. 1, 1881	Chester	43 Penn.	"	25 "
1554 Holm, Peter N.	Sept. 1, 1881	"	41 Germany	"	4 "
3998 Holbrook, E. E.	Jan. 18, 1883	"	39 Illinois	"	13 "
567 Jones, Jas. F.	Aug. 10, 1881	"	35 "	In business July 1, 1881	3 "
3758 Lehnberg, L. F.	Jan. 2, 1886	"	28 "	Graduate in pharmacy	4 months.
1555 McKenzie, A. G.	Sept. 1, 1881	"	49 Nova Scotia	In business July 1, 1881	10 years.
1854 McKenzie, W. R.	Sept. 1, 1881	"	37 "	Graduate in medicine	11 "
2938 Wright, Thos. M.	June, 18, 1883	"	47 Virginia	"	11 "
609 East, Solomon M.	Aug. 10, 1881	Coulterville	41 Illinois	In business July 1, 1881	15 "
608 Edgar, Robt. S.	Aug. 10, 1881	"	47 "	Graduate in medicine	8 "
3446 Milligan, E. S.	Oct. 5, 1881	"	39 Penn.	In business July 1, 1881	8 "
1736 Lilly, E. D.	Sept. 1, 1881	Ellie Grove	36 Germany	"	12 "
3418 Belter, Donatus.	Sept. 23, 1881	Kaskaskia	22 Illinois	"	7 "
3403 Belter, J. O.	July 1, 1883	"	24 "	In business July 1, 1881	4 "
1919 Roulis, Wm.	Aug. 19, 1881	Perry	25 Missouri	Licentiate in pharmacy	2 "
2366 Brands, A. L.	July 1, 1883	Prarie du Rocher	43 Illinois	In business July 1, 1881	16 "
3594 Sloan, Jas.	Dec. 14, 1881	"	18 "	Licentiate in pharmacy	2 "
2724 Dean, Geo. E.	July 2, 1884	Red Bud	38 "	In business July 1, 1881	12 "
63 Dinges, Henry A.	Aug. 9, 1881	"	42 Prussia	"	18 "
70 Lesaulnier, Louis.	Aug. 9, 1881	"	30 Missouri	"	7 "
1530 Beauvais, C. J.	Sept. 1, 1881	Rockwood	27 Penn.	"	6 months.
2409 Harry, Wm. D.	Sept. 23, 1881	"	53 England	"	20 years.
1019 Richards, Benj.	Aug. 19, 1881	"	28 Germany	"	2 "
1984 Tegtmeyer, Geo.	Sept. 1, 1881	Shiloh Hill	33 Illinois	"	10 "
345 Alexander, Jas.	Aug. 9, 1881	Sparta	38 "	"	8 "
290 Alexander, S. H.	Aug. 9, 1881	"	33 "	"	8 "
2884 Grenslet, E. D.	April 14, 1883	"	29 Vermont	Licentiate in pharmacy	8 "
3702 Grenslet, H. W.	Oct. 16, 1884	"	24 Illinois	"	2 "
625 Grant, W. H.	Aug. 10, 1881	"	37 "	In business July 1, 1881	2 yr. 3 mo.
2064 Malone, Jas. M.	Sept. 20, 1881	Steelville	48 "	"	10 years.
3486 Keller, Jacob.	April 1, 1884	"	43 Missouri	Graduate in medicine	10 years.

RICHLAND COUNTY.

2472 Fritchey, A. W.	Oct. 4, 1881	Claremont	42 Penn.	In business July 1, 1881	5 months
2191 Hutchinson, Samuel.	Sept. 20, 1881	Noble	60 Ohio	"	15 years.
1294 Palmer, E. Lee	Aug. 31, 1881	"	26 "	Graduate in medicine	9 "
1296 Palmer, E. Lee	Aug. 31, 1881	"	26 "	"	9 "
1838 Bower, Geo. W.	Sept. 1, 1881	Olney	35 Illinois	In business July 1, 1881	7 "
2360 Bower, Wm.	Sept. 20, 1881	"	39 "	"	17 "

Richland County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
2896	Cool, G. M.	July 1, 1882	Olney	23	Illinois	in business July 1, 1881	6 years.
1837	Foskett, Chas. F.	Aug. 31, 1881	"	33	Mass.	"	8 "
977	Phillips, Jeremiah	Aug. 19, 1881	"	66	New York	"	15 "
976	Phillips, Victor E.	Aug. 19, 1881	"	39	Ohio	"	16 "
2496	Phillips, F. T.	Oct. 4, 1881	"	23	Illinois	"	1 "
2274	Mullins, Harvey, Sr.	Sept. 20, 1881	Parker-burg	64	Kentucky	"	40 "

ROCK ISLAND COUNTY.

248	Ross, Robt.	Aug. 9, 1881	Andalusia	60	Penn.	In business July 1, 1881	2 years.
3733	Wells, Geo. B.	Nov. 7, 1884	"	44	New York	Graduate in medicine	20 years.
784	Marlin, Thos.	Aug. 18, 1881	Coal Valley	57	Ohio	In business July 1, 1881	15 "
2922	Freck, Wm. R.	Sept. 20, 1881	Cordova	26	Illinois	Graduate in medicine	9 "
1769	Meyers, Howard	Sept. 1, 1881	"	30	Ohio	In business July 1, 1881	1 "
3389	Boughton, W. T.	Jan. 4, 1884	Edgington	47	New York	Graduate in medicine	27 years.
2774	Vincent, Geo.	Dec. 14, 1881	Hampton	59	Vermont	In business July 1, 1881	3 "
783	Fraing, H. L.	Aug. 18, 1881	Milan	28	Illinois	"	5 "
1008	Smith, Chas. E.	Aug. 19, 1881	"	25	"	"	10 "
1876	Bryant, O. S.	Sept. 1, 1881	Moline	42	New York	"	10 "
3357	Carter, H. W.	Nov. 13, 1883	"	33	Indiana	Graduate in medicine	13 years.
139	Clendenin, Wm.	Aug. 9, 1881	"	36	Illinois	In business July 1, 1881	10 "
2931	Cann, Wm. V.	Sept. 30, 1881	"	26	Mass.	"	10 "
3261	Exter, A. W.	April 7, 1884	"	42	Penn.	Graduate in pharmacy	6 years.
1175	Hadden, E. W.	Aug. 31, 1881	"	47	New Jersey	In business July 1, 1881	6 "
1911	Helmbeck, Emil	Sept. 1, 1881	"	24	Iowa	"	6 "
3419	Kinsey, C. B.	Jan. 12, 1884	"	20	Illinois	Licentiate in pharmacy	6 "
440	Lindral, Gus.	Aug. 8, 1881	"	23	Sweden	In business July 1, 1881	14 "
372	Farker, Geo. W.	Aug. 19, 1881	"	48	Penn.	"	8 "
966	Piper, Chas. E.	Aug. 19, 1881	"	39	Norway	"	38 "
143	Richards, J. H.	Aug. 9, 1881	"	72	Maine	"	2 months.
882	Sandstrom, H.	Aug. 19, 1881	"	29	Sweden	"	17 years.
1423	Sohrbeck, G. H.	Aug. 9, 1881	"	31	Europe	"	6 "
988	Coyne, Chris. C.	Aug. 19, 1881	Port Byron	28	Illinois	"	5 "
771	Fleming, Wilson	Aug. 18, 1881	"	53	Penn.	Graduate in medicine	17 "

ST. CLAIR COUNTY.

749) Rogers, Ed. M.	Aug. 17, 1881	Port Byron	Illinois	In business July 1, 1881	8 years
691) Rogers, Frank E.	Aug. 17, 1881	Reynolds	Indiana	"	5
2122) Randall, M. C.	Sept. 20, 1881	Rock Island	Germany	"	9
2483) Bansen, F. W.	Sept. 4, 1881	"	Sweden	"	19
333) Bengston, John	Aug. 9, 1881	"	"	"	"
9063) DeSanto, H. H.	Nov. 16, 1882	"	Russia	"	22
1383) Fischer, Chas. E.	Sept. 1, 1881	"	Ohio	In business July 1, 1881	5
1526) Groth, Otto	Sept. 1, 1881	"	Germany	"	16
2481) Hartz, Ben. O.	Sept. 1, 1881	"	"	"	11
8261) Heinsoe, August	Oct. 2, 1881	"	Iowa	Licentiate in pharmacy	11
3014) Hydren, Carl	July 20, 1882	"	Sweden	"	4
1339) Koehler, Emil	Sept. 30, 1882	"	Germany	In business July 1, 1881	17
1894) Marshall, W. H.	Sept. 1, 1881	"	R. Island	"	"
2371) Nader, Frank	Sept. 14, 1882	"	Illinois	Graduate in pharmacy	9 1/2
3323) Reiss, C. E.	April 12, 1884	"	Germany	Licentiate in pharmacy	5
1788) Speidel, Conrad	Sept. 1, 1881	"	"	In business July 1, 1881	30
336) Thomas, F. H.	Aug. 9, 1881	"	England	"	18
1361) Wheaton, F. M.	Sept. 1, 1881	"	New York	"	8
3714) Witt, R. F.	Oct. 16, 1884	"	Germany	Licentiate in pharmacy	12

3376) Barnickel, E. H.	Mar. 17, 1885	Belleville	Illinois	Graduate in pharmacy	7 years
3333) Bartner, A. H.	Mar. 31, 1885	"	Missouri	"	4
3120) Bunsen, R. P.	April 12, 1883	"	Illinois	Licentiate in pharmacy	3
632) Feickert, Julius	Aug. 16, 1881	"	Germany	Graduate in pharmacy	19
151) Feickert, Wm.	Aug. 9, 1881	"	Illinois	In business July 1, 1881	15
193) Hartnagel, H. A.	Aug. 9, 1881	"	"	"	7
194) Hartnagel, C. W.	Aug. 31, 1881	"	Prussia	"	51
1349) Kempf, Wm.	Aug. 31, 1881	"	Germany	"	21
2457) Kempf, Fred	Oct. 4, 1881	"	Illinois	Graduate in pharmacy	8
5787) Kohl, E. J.	Jan. 29, 1886	"	"	"	"
832) Kretner, F.	Aug. 18, 1881	"	Ohio	In business July 1, 1881	10
9451) Schaefer, Geo.	Jan. 12, 1884	"	Germany	Licentiate in pharmacy	14
3363) Schmidt, J. A.	Nov. 21, 1883	"	Illinois	Graduate in medicine	17 years
86) Steltinger, Henry	Aug. 9, 1881	"	"	In business July 1, 1881	4
1313) Strooker, Lyman F.	Aug. 31, 1881	"	"	Graduate in medicine	13
423) Welgartner, J. J.	Aug. 9, 1881	"	Ireland	Graduate in pharmacy	7 years
3746) Dwyer, J. W. B.	Dec. 16, 1884	East St. Louis	Kentucky	Licentiate in pharmacy	23
3510) Esleman, J. W. M.	April 12, 1884	"	Germany	"	5
3053) Fischer, H.	Nov. 8, 1882	"	Illinois	Graduate in pharmacy	"
3817) Hartnagel, G. A.	Mar. 17, 1885	"	"	"	"

St. Clair County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	When Registered.	Years experience.
3246	Kopf, J. B.	July 28, 1883	East St. Louis.	25	Kansas.	Graduate in pharmacy	11 years.
726	Knebel, Thos.	Aug. 17, 1881	"	27	Illinois.	"	24 "
2770	Kring, A. O.	Dec. 14, 1881	"	27	Illinois.	In business July 1, 1881	24 "
171	Kroetz, A.	Aug. 9, 1881	"	26	Germany.	"	21 "
1614	Kroetz, Hermann	Sept. 1, 1881	"	23	Germany.	"	17 "
3462	Renolds, Wm. H.	Feb. 6, 1884	"	39	New York.	Graduate in medicine.	17 years.
3423	Rosenhagen, A. G.	Jan. 12, 1884	"	31	Missouri.	Licentiate in pharmacy.	17 years.
3766	Schmidt, F. O.	Dec. 25, 1884	"	30	Germany.	Graduate in pharmacy.	14 "
3358	Winton, O. R.	Oct. 31, 1883	"	39	Ohio.	Graduate in medicine	14 "
3254	Wright, C. H.	July 28, 1883	"	32	Canada.	"	"
927	Bader, H. F.	Aug. 19, 1881	"	24	Illinois.	In business July 1, 1881	10 years.
264	Kring, Chas.	Aug. 9, 1881	Freeburg.	44	Germany.	"	23 "
2601	Woods, Alex.	Oct. 4, 1881	"	36	Illinois.	Graduate in medicine.	9 months.
3578	Entekin, P. T.	May 24, 1884	Lebanon	26	Illinois.	Graduate in pharmacy	4 years.
1736	Fehringer, C.	Sept. 1, 1881	"	61	Germany.	In business July 1, 1881	27 "
3636	Gubler, F. J.	Oct. 16, 1882	"	20	Illinois.	Licentiate in pharmacy.	3 "
2343	Pesold, Carl.	Sept. 20, 1881	"	25	Germany.	In business July 1, 1881	10 "
1510	Volkening, H.	Sept. 1, 1881	Lenzburg.	53	Illinois.	"	10 years.
90	Lyons, Wm. McKee	Aug. 9, 1881	Marissa.	57	Germany.	"	32 "
81	Dauber, Louis	Aug. 9, 1881	Mascoutah.	57	Germany.	"	"
506	Henrich, Geo. J. J.	Aug. 10, 1881	"	37	Mississippi.	"	10 "
511	Nuesbaumer, J. J.	Aug. 10, 1881	"	21	Illinois.	"	5 1/2 "
3551	Berkbile, J. K.	April 28, 1884	Millstadt	60	Penn.	Graduate in medicine	17 months.
1594	Elmer, Geo. J.	Sept. 1, 1881	"	35	America.	In business July 1, 1881	10 years.
3607	Rose, Harry J. B.	July 2, 1884	"	25	Ireland.	Licentiate in pharmacy.	10 years.
3623	Schanfert, J. G.	Aug. 9, 1884	"	45	Germany.	Graduate in pharmacy	14 years.
1943	Dose, Henry.	Sept. 1, 1881	New Athens.	46	"	In business July 1, 1881	8 "
1747	Schenck, Louis.	Sept. 1, 1881	"	35	"	"	8 "
1057	Krause, Bernard	Aug. 19, 1881	O'Fallon Depot	46	"	"	30 "
288	Rock, Gustavus O.	Aug. 9, 1881	Smithton	65	"	Graduate in medicine.	17 "
656	Taggart, W. B.	Aug. 10, 1881	Summerfield.	32	Illinois.	In business July 1, 1881	4 "

SALINE COUNTY.

1692	Carlson, Uriah C.	Sept. 1, 1881	Carrier Mills	26 Illinois	Graduate in medicine.	2 years..
1897	Harris, D. W.	July 1, 1883	Eldorado	25 "	Licentiate in pharmacy	"
3716	Bourland, I. N.	Oct. 31, 1884	"	26 "	Graduate in medicine	7 years..
1288	Mathis, John W.	Aug. 31, 1881	"	29 "	In business July 1, 1881	4 months.
2181	Williams, W. A.	Sept. 20, 1881	"	35 Kentucky	"	6 "
1623	Young, Virgil W.	Sept. 1, 1881	"	24 Illinois	"	40 years.
1056	Wheeler, Ezra W.	Aug. 19, 1881	Gallatia	62 Virginia	"	"
228	Hallock, Wm. P.	Aug. 9, 1881	Harrisburg.	35 Illinois	"	11 "
1903	Hanmore, J. B.	Sept. 6, 1881	"	25 Indiana	Licentiate in pharmacy	7 "
2211	Rose, J. H.	Sept. 20, 1881	"	33 Illinois	Graduate in medicine.	12 "
3846	Swan, W. S.	Feb. 25, 1885	"	32 "	"	3 1/2 years.
539	Burnett, H. L.	Aug. 10, 1881	Raleigh	34 "	"	4 "
725	Fair, Jas. D.	Aug. 17, 1881	"	46 Tenn.	In business July 1, 1881.	"
1328	Goe, H. S.	Aug. 31, 1881	Stone Fort.	44 Ohio	"	3 "
2215	Kelly, Geo. W.	Sept. 20, 1881	"	45 "	"	20 "
1845	St. John, Geo. W.	Sept. 1, 1881	Bolton	40 Kentucky	"	7 "

SANGAMON COUNTY.

3790	Hicks, Rob't B.	Feb. 4, 1885	Auburn	42 Illinois	Graduate in medicine	6 months
2519	Stout, E. T.	Oct. 4, 1881	"	23 "	In business July 1, 1881	7 "
2251	Wineman, C. H.	Sept. 20, 1881	"	28 "	"	10 years
1345	Price, Wm. E.	Sept. 1, 1881	Berlin	46 Ohio	Graduate in medicine	5 years
3843	O'Connor, John C.	April 7, 1885	Buffalo	24 Illinois	In business July 1, 1881	22 "
2155	Tyler, C. H.	Sept. 20, 1881	"	55 England	"	12 "
114	Ledbrook, L.	Aug. 9, 1881	Chatham	33 Illinois	"	6 "
2925	Thayer, A. F.	Sept. 20, 1881	"	30 "	Graduate in medicine	"
2921	Thayer, E. R.	Sept. 20, 1881	"	23 "	"	"
3744	Brittin, A. L.	Dec. 4, 1884	Cantrall	34 "	In business July 1, 1881	16 years
3534	Foster, W. A.	Oct. 19, 1883	Curran	41 "	Graduate in medicine	7 "
2640	Cowdin, Jno. P.	Oct. 5, 1881	Illipolis	54 "	"	"
3448	King, John E.	Oct. 16, 1882	"	55 Ohio	Graduate in medicine	5 years
3539	Houck, R. M.	Nov. 1, 1883	Loami	22 Illinois	In business July 1, 1881	16 "
3814	Mathew, E. S.	Mar. 14, 1885	"	37 Ohio	Graduate in medicine	8 "
695	Vandervon, Thos. N.	Aug. 17, 1881	"	28 Ohio	Licentiate in pharmacy	20 "
925	Colp, Geo. E.	Aug. 19, 1881	Lowder	33 Ohio	"	"
577	Bird, John M.	Aug. 10, 1881	Mechanicsburg	47 Kentucky	"	"
2991	Gore, W. R.	Sept. 20, 1881	"	23 Ohio	"	"
3420	McGinnis, D. L.	Jan. 12, 1884	New Berlin	32 Illinois	"	"

Sangamon County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
2263	Drennan, D. A.	Aug. 6, 1883	Pawnee.	33	Illinois.	Graduate in medicine.	6 years.
1075	Brownback, E.	Aug. 31, 1881	Pleasant Plains.	45	Penn.	In business July 1, 1881.	20
2549	Roberts, W. F.	Oct. 4, 1881	"	47	Virginia.	"	"
3390	Smith, G. M.	Dec. 27, 1883	"	31	Illinois.	Graduate in medicine.	"
3751	Speer, J. A.	Dec. 10, 1884	"	36	Kentucky.	"	"
3302	Deal, John.	Sept. 21, 1883	Riverton.	34	Penn.	"	"
2400	Miller, Thos. O.	Sept. 20, 1881	"	30	Illinois.	In business July 1, 1881.	7 years.
49	Firey, Jas. M.	Aug. 9, 1881	Rochester.	25	Illinois.	"	10½
46	Parker, H. D.	Aug. 9, 1881	"	28	Vermont.	"	7
1186	Duncan, T. S.	Aug. 31, 1881	Salisbury.	27	Illinois.	"	5
3021	Bates, C. W.	Oct. 16, 1882	Springfield.	23	Illinois.	Licentiate in pharmacy.	3
200	Beall, W. R.	Aug. 9, 1841	"	42	Ohio.	In business July 1, 1881	17
21	Blair, E. J.	Aug. 9, 1881	"	31	Kentucky.	Graduate in medicine	9
3890	Bowcock, C. M.	April 18, 1885	"	26	Virginia.	"	"
1151	Brown, J. B.	Aug. 31, 1881	"	40	Illinois.	In business July 1, 1881	21 years.
1644	Brown, D. C.	Aug. 1, 1881	"	56	Kentucky.	"	35
2577	Gowen, H. S.	Sept. 1, 1881	"	36	Illinois.	Licentiate in pharmacy.	16
2680	Day, C. W.	Jan. 14, 1882	"	33	Delaware.	"	12
869	Diller, I. R.	Oct. 12, 1881	"	27	Illinois.	Graduate in pharmacy	10
1	Diller, R. W.	Aug. 19, 1881	"	58	Penn.	In business July 1, 1881	31½
2	Dodds, R. N.	Aug. 9, 1881	"	29	Illinois.	"	8
3896	Dunning, F. L.	April 2, 1885	"	30	New York.	Graduate in medicine	"
3891	Epler, J. W.	April 8, 1885	"	30	Illinois.	"	"
505	Fleury, Frank.	Aug. 9, 1881	"	30	Penn.	In business July 1, 1881	21 years.
1656	Ferry, F. M.	Aug. 1, 1881	"	35	Wisconsin.	"	10
2862	Griggs, Frank H.	Sept. 13, 1882	"	25	N. Hamp.	"	9
1575	Hall, John G.	Jan. 13, 1881	"	54	Virginia.	In business July 1, 1881	30
1154	Harts, P. W.	Sept. 1, 1881	"	53	Penn.	"	13
3890	Hoover, E. S.	Aug. 31, 1881	"	26	Penn.	Licentiate in pharmacy	6
907	Ryat, Chas.	July 2, 1881	"	24	Illinois.	In business July 1, 1881	7
3253	Saylor, E. B.	Aug. 19, 1881	"	27	"	"	7
2512	Schulze, Wm.	July 31, 1883	"	35	Germany.	In business July 1, 1881	20
21	Smith, C. M.	Oct. 4, 1841	"	43	Penn.	"	3
831	Sommer, Louis.	Aug. 9, 1881	"	47	Prussia.	"	16
2386	Sprague, O. N.	Aug. 18, 1881	"	30	Ohio.	Licentiate in pharmacy	11
3627	Whitley, L. S.	April 14, 1881	"	22	Illinois.	Graduate in medicine	"
3867	Willard, S.	July 9, 1884	"	25	Vermont.	"	"
9434	Wyckoff, E. E.	Feb. 28, 1885	"	25	Ohio.	Licentiate in pharmacy	4 years.
1077	Perce, Wm. L.	Jan. 12, 1884	Williamsville	34	"	In business July 1, 1881	6
Aug. 31, 1881							

SCHUYLER COUNTY.

3901	Camp, Julian E.	April 23, 1885	Brooklyn	27 Penn.	Graduate in medicine	4 years..
874	Williams, R. A.	Aug. 19, 1881	Camden	50 Kentucky..	In business July 1, 1881.	1 1/2 ..
1427	Robinson, H. T.	Aug. 31, 1881	Huntsville	28 Illinois ..	"	8 ..
494	DeWitt, Jas. L.	Aug. 9, 1881	Littleton	36 " ..	"	1 ..
2687	Baxter, Wm. H.	Oct. 12, 1881	Ray	45 W. Virginia.	"	4 ..
2834	Anderson, E. M.	June 15, 1882	Rushville	46 " ..	"	2 ..
3161	Finch, M. J.	June 8, 1883	"	21 Illinois ..	Graduate in pharmacy	5 ..
2647	McCreery, J. G.	Oct. 5, 1881	"	66 Ireland ..	In business July 1, 1881.	98 ..
2648	Montgomery, Alex.	Oct. 5, 1881	"	67 Kentucky..	"	20 ..
1049	White, Geo. H.	Aug. 19, 1881	"	33 New York..	"	15 ..

SCOTT COUNTY.

2112	Lewis, J. C.	Sept. 20, 1881	Bluffs	32 Illinois ..	In business July 1, 1881	3 yrs. 10 m
2766	Mason, H. E.	Dec. 14, 1881	Exeter	37 " ..	"	2 years..
2649	Morris, Jas. F.	Oct. 5, 1881	"	48 Maryland ..	"	6 ..
554	McEvers, Byron	Aug. 16, 1881	Glasgow	36 Illinois ..	"	6 ..
948	Hossmann, John	Aug. 9, 1881	Manchester	58 Ohio ..	"	27 ..
3331	Smith, M. H.	Oct. 16, 1883	"	51 " ..	Graduate in medicine	"
1720	Marsh, S. E.	Sept. 1, 1881	Naples	36 Illinois ..	In business July 1, 1881	7 years..
3565	McClintock, W. A.	May 7, 1884	"	26 " ..	Graduate in medicine	5 months.
1709	Edwards, Wm. A.	Sept. 1, 1881	Winchester	27 " ..	In business July 1, 1881	23 years..
182	Frost, Robt.	Aug. 9, 1881	"	60 England ..	"	6 months.
2044	Millizan, H. M.	Sept. 20, 1881	"	33 Ohio ..	"	10 years..
3231	Robertson, H. E.	July 20, 1883	"	Illinois ..	"	"

SHELBY COUNTY.

2197	McDermuth, S. T.	Sept. 20, 1881	Cowden	33 Ohio ..	Graduate in medicine	5 years..
364	Shelton, T. D.	Aug. 9, 1881	"	71 Kentucky..	In business July 1, 1881	3 months.
1346	McLaughlin, D. M.	Aug. 31, 1881	Lakewood	29 Indiana ..	"	2 years..
3661	Godfrey, John W.	Aug. 9, 1884	Moavequa	24 Illinois ..	Graduate in medicine	17 years..
52	Kelser, George M.	Aug. 9, 1881	"	43 Kentucky..	In business July 1, 1881	12 ..
777	McHenry, B. H.	Aug. 18, 1881	"	54 Illinois ..	"	6 ..
419	Patton, K. A.	Aug. 9, 1881	"	38 Penn.	"	24 ..
2387	Anglinbaugh, W. H.	June 15, 1882	Oconee	41 Maryland..	"	"
3490	Miller, J. H.	April 1, 1884	"	28 Illinois ..	Graduate in medicine.	"
355	Hagginbotham, L.	Aug. 9, 1881	Shelbyville	41 Kentucky ..	In business July 1, 1881	9 years..

Shelby County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1101	Hopkins, E. M.	Aug. 31, 1881	Shelbyville	39	Illinois	In business July 1, 1881.	26 years.
40	Rhoads, George W.	Aug. 9, 1881	"	49	Penn.	Graduate in medicine.	15
389	Seaman, Joseph O.	Aug. 9, 1881	"	37	Ohio	In business July 1, 1881.	16
356	Seaman, Lewis S.	Aug. 9, 1881	"	52	"	"	23
618	Frost, Thos. G.	Aug. 10, 1881	"	40	England	"	15
3344	Chapman, P. E.	Nov. 6, 1883	Sigel.	34	Canada	"	23
1231	Knox, John W.	Aug. 31, 1881	Stewardson.	36	Ohio	Graduate in medicine.	6 years.
1230	Knox, Victoria A.	Aug. 31, 1881	"	36	Illinois	In business July 1, 1881.	6
218	Robinson, T. N.	Aug. 9, 1881	"	34	"	"	4
215	Wandt, James H.	Aug. 9, 1881	Strasburgh.	30	Ohio	"	3
1017	Corley, George.	Aug. 19, 1881	Tower Hill.	34	Illinois	"	4
3473	Fringer, George W.	Mar. 8, 1884	Windsor.	49	Maryland	Graduate in medicine.	"
2383	Aldridge, S. H.	Sept. 20, 1881	"	24	Illinois	In business July 1, 1881.	6 years.
2386	Brunk, C. H.	Sept. 20, 1881	"	55	Kentucky	Graduate in medicine.	14
2463	Edwards, G. A.	Oct. 4, 1881	"	32	Illinois	In business July 1, 1881.	2
523	Hillgoss, J. W.	Aug. 10, 1881	"	24	"	"	3
2380	Mooherry, E. M.	Aug. 20, 1881	"	47	Ohio	"	10
2505	Montgomery, M.	Sept. 4, 1881	"	38	Indiana	"	12
2302	Reed, Andrew J.	Sept. 20, 1881	"	28	Illinois	"	6 months.

STARK COUNTY.

886	Harvey, William.	Aug. 19, 1881	Bradford	40	Illinois	In business July 1, 1881.	6 years.
2148	Plummer, D. G.	Sept. 20, 1881	"	67	Maine	"	20
1652	Prouty, Charles E.	Sept. 1, 1881	"	25	Mass.	"	4
3469	Holgate, J. R.	Feb. 16, 1884	Castleton	38	Illinois	Graduate in medicine.	"
2854	Sprague, Loyal T.	Jan. 12, 1882	LaFayette.	28	New York	Licentiate in pharmacy.	2 years.
1133	Conover, S. K.	Aug. 31, 1881	Toulon	44	New Jersey	In business July 1, 1881.	4
513	Hanna, John.	Aug. 10, 1881	"	26	Conn.	"	7
250	Cox, Jerry M.	Aug. 9, 1881	Wrooming	31	Ohio	"	4
1634	Davis, Fred E.	Sept. 1, 1881	"	23	Illinois	"	3
1787	Teeter, Elias S.	Sept. 1, 1881	"	34	New Jersey	"	9
325	Wall, W. C.	Aug. 9, 1881	"	26	Illinois	"	9 months.

STEPHENSON COUNTY.

2905 Richard, Henry.....	Jan. 13, 1883	Cedarville.....	36 Illinois.....	In business July 1, 1881.....	9 years.....
1511 Aksey, William.....	Sept. 1, 1881	Dakota.....	44 Penn.....	".....	7 ".....
1886 McCalla, Isaac.....	Sept. 1, 1881	".....	47 Penn.....	".....	8 ".....
295 Breithaupt, J.....	Aug. 9, 1881	Davis.....	23 Wisconsin.....	".....	2 ".....
467 Burwell, John.....	Aug. 9, 1881	Freeport.....	51 Penn.....	".....	36 ".....
465 Emmert, Jos.....	Aug. 9, 1881	".....	59 Penn.....	".....	35 ".....
1382 Fronting, P.....	Aug. 31, 1881	".....	51 Germany.....	".....	35 ".....
1705 Hoebe, P. H.....	Sept. 1, 1881	".....	27 Illinois.....	".....	12 ".....
1706 Mock, H. J.....	Sept. 1, 1881	".....	31 Ontario.....	".....	2 ".....
2742 Rehbock, H. J.....	Dec. 14, 1881	".....	33 Germany.....	".....	17 ".....
3325 Sikkema, H. H.....	Oct. 13, 1883	".....	31 ".....	Licentiate in pharmacy.....	16 ".....
1532 Swartz, George F.....	Sept. 1, 1881	".....	42 Penn.....	In business July 1, 1881.....	16 ".....
1531 Swartz, J. E.....	Sept. 1, 1881	".....	31 ".....	".....	8 ".....
1859 Weise, Frederick.....	Sept. 1, 1881	".....	41 Germany.....	".....	25 ".....
3168 Jungkutz, W. F.....	June 4, 1883	".....	23 Illinois.....	Graduate in pharmacy.....	5 ".....
301 Houser, C. F.....	Aug. 9, 1881	Lena.....	35 Penn.....	In business July 1, 1881.....	2 ".....
461 Metz, John.....	Aug. 9, 1881	".....	52 Germany.....	".....	12 ".....
3185 Richardson, H. W.....	April 12, 1883	".....	52 Vermont.....	Licentiate in pharmacy.....	8 ".....
332 Walte, Chas.....	Aug. 9, 1881	".....	44 ".....	In business July 1, 1881.....	14 ".....
1884 Wohlford, A. W.....	Aug. 19, 1881	Orangeville.....	23 Illinois.....	".....	9 months.....
1957 Bolender, H. H.....	Sept. 1, 1881	Rock Grove.....	28 ".....	".....	2 years.....
1586 Emerick, George A.....	Sept. 1, 1881	".....	28 ".....	".....	10 months.....
3110 Nease, George T.....	Mar. 14, 1883	Winslow.....	23 Illinois.....	In business July 1, 1881.....	6 years.....
994 Webster, C. W.....	Aug. 19, 1881	".....	23 Illinois.....	".....	1 ".....

TAZEWELL COUNTY.

306 Lawton, L. W.....	Aug. 9, 1881	Delavan.....	25 Rhode Isl'd.....	In business July 1, 1881.....	8 years.....
69 Bradford, Samuel.....	Aug. 9, 1881	Green Valley.....	32 Ohio.....	".....	4 ".....
2353 Wilman, T. H.....	Sept. 20, 1881	".....	51 ".....	".....	15 ".....
2963 Davis, H.....	Sept. 20, 1881	Hopedale.....	24 ".....	Graduate in medicine.....	1 month.....
2968 Hodson, W. F.....	Oct. 6, 1881	".....	37 Illinois.....	In business July 1, 1881.....	2 years.....
313 Little, L. T.....	Aug. 9, 1881	Mackinaw.....	36 Michigan.....	".....	2 ".....
489 Sparks, Richard, Jr.....	Aug. 9, 1881	".....	34 Ohio.....	".....	1 ".....
2731 Small, John R.....	Dec. 14, 1881	Deer Creek.....	33 Illinois.....	".....	3 ".....
913 Ewing, B. N.....	Aug. 19, 1881	Miner.....	31 Kentucky.....	".....	7 ".....
3185 Hubbard, H. C.....	Mar. 27, 1884	".....	28 Illinois.....	Graduate in medicine.....	7 ".....

Tazewell County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
718	Tones, J. F.	Aug. 17, 1881	Maier		20 Illinois	In business July 1, 1881.	4 y's 1 m.
1891	Shelley, J. T.	Sept. 1, 1881			40 Penn.		7 years.
2453	Conbeur, W. H.	Oct. 4, 1881	Morton.		38 England	Graduate in medicine	7
2460	Utzicker, D.	Aug. 31, 1881			22 Illinois	In business July 1, 1881	1
2460	Zimmerman, E.	Jan. 12, 1882			24 Illinois	Licentiate in pharmacy	7
2138	Dirksen, J. H.	Sept. 20, 1881	Pekin		30 Germany	In business July 1, 1881.	15
2564	Ehrlicher, H. M.	July 1, 1882	"		28 Illinois	Graduate in pharmacy	4 1/2
1917	Muchmann, Wm.	Sept. 1, 1881	"		58 Germany	In business July 1, 1881.	22
563	Ruhl, Noah B.	Aug. 10, 1881			34 Ohio		16
371	Alphonso, A.	Aug. 9, 1881	Washington.		46 Germany	Graduate in medicine	6
3316	Allen, Wilbur.	Oct. 6, 1883			34 Arkansas		

UNION COUNTY.

1892	Magee, Henry.	Sept. 1, 1881	Alto Pass		56 England	Licentiate in pharmacy	42 years.
3653	Goodman, T. B.	Oct. 6, 1884	Anna.		25 Illinois	Graduate in medicine	10 years.
1440	Orrich, Charles L.	Aug. 9, 1881	"		31 "	In business July 1, 1881.	8
1444	Parks, Clarence K.	Aug. 31, 1881	"		30 "	"	8
2520	Brown, Wilson.	April 29, 1882	Cobden		37 New York	"	3
2691	Clark, E. S.	Oct. 12, 1881	"		25 Indiana	"	1
542	Bruce, Luther.	Aug. 10, 1881	Dongola.		35 Illinois	"	15
1872	Dillow, Jasper A.	Sept. 1, 1881	"		23 Illinois	"	6 months.
122	Grear, Henry.	Aug. 9, 1881	Jonesboro.		25 "	"	7 years.
748	Watkins, Thomas J.	Aug. 17, 1881	"		40 England	"	24
3574	Willard, Simon.	May 19, 1884	"		25 Illinois	Graduate in medicine	
2299	Brown, Hiram.	Sept. 20, 1881	Mill Creek.		27 "	In business July 1, 1881.	6 months.
3850	Montgomery, Edwin L.	April 10, 1885	"		56 Mississippi	Graduate in medicine	

VERMILION COUNTY.

2546 French, Truman P.	Oct. 4, 1881	Armstrong	30 Indiana.	Graduate in medicine.	8 years.
2547 Young, Samuel W.	Sept. 20, 1881	Bismarck	32 Penn.	In business July 1, 1881.	2 "
512 Tilton, Samuel R.	Aug. 10, 1881	Catlin	40 Penn.	"	14 "
2099 Terpening, T. F.	April 14, 1882	Danville	30 Illinois	In business July 1, 1881.	6 "
1810e Bundy, John W.	Sept. 1, 1881	"	37 Illinois	"	8 "
428 Bellan, J. H.	Aug. 9, 1881	"	33 Kentucky	"	10 "
2176 Bellan, J. H.	Aug. 20, 1881	"	29 Wisconsin	"	2 "
8471 Brown, M. B.	Sept. 8, 1884	"	51 New York	Graduate in medicine.	5 months.
1560 Esslinger, Arthur	Sept. 1, 1881	"	21 Wisconsin	In business July 1, 1881.	2 years.
3411 Feimley, J. S.	Jan. 12, 1884	"	23 New Jersey	Licentiate in pharmacy	"
1738 Frantz, J. S.	Sept. 1, 1881	"	39 Penn.	In business July 1, 1881.	9 "
1226 Gemung, Z. R.	Aug. 31, 1881	"	23 Illinois	"	"
3233 McFadden, H. H.	Oct. 4, 1881	"	25 New York	"	9 years.
3223 Nungesser, J. H.	Oct. 13, 1883	"	22 Illinois	Licentiate in pharmacy	18 "
33 Irwin, F. G.	Aug. 9, 1881	"	34 Indiana	In business July 1, 1881.	6 "
1236 Oakwood, S. H.	Aug. 31, 1881	"	32 Illinois	"	7 "
3461 Smith, E. G.	Nov. 6, 1882	"	26 "	"	"
1257 Taylor, Roy C.	Aug. 31, 1881	"	31 Penn.	In business July 1, 1881.	13 years.
1390 Winslow, E. C.	Aug. 31, 1881	"	36 Mass.	Graduate in medicine.	35 "
1084 Woodbury, W. W. R.	Aug. 19, 1881	"	56 Indiana	"	"
1468 McConnell, I. W.	Aug. 31, 1881	East Lynn	32 "	In business July 1, 1881.	12 "
1257 Holladay, Elias	Aug. 31, 1881	Farmount	45 New York	"	17 "
3667 Lamon, C. E.	Aug. 16, 1884	"	47 Illinois	Graduate in medicine.	"
311 Elder, Brice H.	Aug. 9, 1881	Fithian	33 Penn.	"	2 years.
1752 Post, Geo. H.	Sept. 1, 1881	"	33 Canada.	"	1 "
2223 Cowan, R. W.	Sept. 20, 1881	Georgetown	60 Ohio	In business July 1, 1881.	9 "
335 Cowan, Wm. C.	Aug. 19, 1881	"	52 Indiana.	"	18 "
3502 Briggs, C. M.	April 12, 1884	Hoopeston	21 Ohio	Licentiate in pharmacy	4 1/2 "
3029 McCaughy, T. U.	Oct. 16, 1882	"	42 "	In business July 1, 1881.	2 "
933 Powell, J. S.	Aug. 19, 1881	"	46 New York	"	19 "
740 Roof, Thos. J.	Aug. 17, 1881	"	43 Ohio	"	10 "
934 Butler, Samuel F.	Aug. 19, 1881	Indianola	38 Illinois	"	15 "
622 Dickson, S. S.	Aug. 10, 1881	Muncie	26 "	"	4 "
3783 Fox, A. J.	Jan. 27, 1885	Oakwood	26 "	Graduate in medicine.	15 "
2095 Young, John H.	Sept. 20, 1881	"	36 Indiana.	In business July 1, 1881.	1 year.
2199 Ketchum, N. F.	Sept. 20, 1881	Pellaville	52 New York	"	10 "
1232 Tilton, A. R.	Aug. 31, 1881	Pilot	84 Indiana.	"	10 "
2367 Courtney, Z. B.	Sept. 20, 1881	Potomac	32 Ohio	"	10 "
2422 Courtney, J. B.	Sept. 23, 1881	"	57 Virginia	"	7 "
1973 Meesner, L. C.	Sept. 1, 1881	"	36 Ohio	"	6 "
1422 Finney, F. A.	Aug. 31, 1881	Rankin	31 Indiana.	"	3 "
1423 Rose, Hugh A.	Aug. 31, 1881	"	39 Ohio	Graduate in medicine.	3 "
1866 Westberry, A. B.	Sept. 1, 1881	"	35 Sweden.	In business July 1, 1881.	"

Vermilion County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
3484	Hinchaw, D. C.	Mar. 27, 1884	Ridge Farm.	25	Indiana.	Graduate in medicine.	2 years.
2316	Sulcur, A. A.	Sept. 20, 1881	"	42	Ohio.	"	3 months.
2270	McFarland, C. O.	Sept. 20, 1881	"	23	Ohio.	In business July 1, 1881.	4 years.
2229	Core, R. E.	Sept. 20, 1881	"	23	Illinois.	"	4 years.
3169	Smick, G. M.	Feb. 18, 1881	"	23	Illinois.	Graduate in medicine.	2 yr., 8 mo.
1279	Gilbert, Fannie M.	Aug. 31, 1881	Rossville.	45	N. Hamp.	In business July 1, 1881.	6 years.
1601	Ross, Chas. M.	Sept. 1, 1881	"	34	Indiana.	"	2
1722	Vogent, J. W.	Sept. 1, 1881	Westville.	31	New York.	Graduate in medicine.	3 years.
3526	Pailla, Chas. W.	Sept. 23, 1885	East Lynn.	23	Illinois.	"	3 years.
3536	Stallings, J.	April 12, 1884	Sidell.	22	Indiana.	Licentiate in pharmacy.	3 years.

WABASH COUNTY.

3348	Gray, F. S.	Nov. 8, 1883	Allendale.	28	Ohio.	Graduate in medicine.	5 years.
3385	Leeds, H. M.	Dec. 24, 1883	"	29	Illinois.	"	6
2255	McIntosh, A. J.	Sept. 20, 1881	"	47	"	"	4 1/2 years.
2591	Smith, James E.	Oct. 4, 1881	"	27	Kentucky.	"	1
2948	Newsom, Paulina	July 1, 1882	Belmont.	27	Prussia.	In business July 1, 1881.	3 1/2
665	Newsom, T. J.	Aug. 16, 1881	"	40	Indiana.	Graduate in medicine.	4
3777	Tanquary, J. H.	Jan. 17, 1885	"	28	Illinois.	Graduate in medicine.	6 years.
2523	Irego, J. D.	Oct. 4, 1881	"	35	"	In business July 1, 1881.	7
1767	Leeds, James A.	Sept. 1, 1881	Friendsville.	23	"	"	7
2200	Bristow, N.	Sept. 20, 1881	Keenaburgh.	50	Kentucky.	"	3 1/2
1716	Manley, A. P.	Sept. 1, 1881	"	28	Illinois.	"	4
2334	Corrie, Albert.	Sept. 20, 1881	Lancaster.	32	"	Graduate in medicine.	6 years.
3288	Biddle, E. D.	Sept. 3, 1883	Mt. Carmel.	25	"	"	7
3920	Schneek, Jacob.	May 12, 1885	"	41	Indiana.	In business July 1, 1881.	7
76	Gordon, R. S.	Aug. 9, 1881	"	43	Illinois.	"	7
1150	Haley, Walter	Aug. 31, 1881	"	29	Indiana.	"	7
1624	Ridgway, Wm. C.	Sept. 1, 1881	"	40	Ohio.	"	7

WARREN COUNTY.

1317 Alexander, E. D.	Sept. 1, 1881	Alexis	21 Illinois	In business July 1, 1881	5 years
1318 Alexander, John E.	Sept. 1, 1881	"	48 Maryland	"	5
726 Weed, Alvan	Aug. 17, 1881	"	33 Maine	"	5
2181 Dummitt, F. W.	Sept. 20, 1881	Berwick	22 Illinois	Graduate in medicine	4
1341 Temple, A. J.	Aug. 31, 1881	Cameron	18	In business July 1, 1881	1/4
1342 Temple, Thos.	Aug. 31, 1881	"	60 England	"	23
1442 Abbey, Horatio	Aug. 31, 1881	Kirkwood	45 New York	"	10
1356 Foster, Samuel O.	Aug. 31, 1881	"	33 Indiana	"	7
1356 Guinand, S.	Aug. 31, 1881	"	51 Penn.	"	10
1965 Howard, Lyman	Sept. 1, 1881	"	68 New York	"	36
287 Stark, Wm.	Aug. 9, 1881	"	54 Scotland	"	14
544 Brewer, John E.	Aug. 10, 1881	Monmouth	38 Maryland	"	11
515 Brewer, Melville	Aug. 10, 1881	"	34 Penn.	"	12
1028 Dunbar, John C.	Aug. 19, 1881	"	38 Scotland	"	16
1365 Gilbert, Abram T.	Sept. 1, 1881	"	55 New York	"	14
1721 Schultz, Crif.	Sept. 1, 1881	"	21 Missouri	Graduate in medicine	6
1022 Smith, Wm. B.	Aug. 19, 1881	"	32 Illinois	In business July 1, 1881	13
1500 Spriggs, James H.	Sept. 1, 1881	"	59 Penn.	"	24
2035 Spriggs, John S., Jr.	Sept. 20, 1881	"	31	Graduate in pharmacy	13
1499 Spriggs, John S., Sr.	Sept. 1, 1881	"	57 Penn.	Graduate in medicine	24
3579 Foster, Frank S.	May 24, 1884	"	22 Wisconsin	Graduate in pharmacy	5
2432 Aylsworth, H. E.	Oct. 4, 1881	Roseville	43 New York	In business July 1, 1881	13
3845 Brokaw, S. H.	April 8, 1885	"	38 Illinois	Graduate in medicine	10 years
3192 Camman, J. F.	July 14, 1883	"	24 Wisconsin	Licentiate in pharmacy	2
2499 Prouty, J. W.	Oct. 4, 1881	"	21	In business July 1, 1881	10
3846 Tallaferra, D. M.	April 8, 1885	"	55 Kentucky	Graduate in medicine	5 years
2510 Roberts, M. B.	Oct. 4, 1881	Swan Creek	33 Ohio	In business July 1, 1881	5

WASHINGTON COUNTY.

1698 Berry David	Sept. 1, 1881	Ashley	48 New York	Graduate in medicine	20 years
1638 Pace, W. C.	Aug. 19, 1881	"	51 Illinois	"	12
911 Welch, Andrew, Jr.	Aug. 19, 1881	"	22	In business July 1, 1881	4
910 Welch, T. F.	Aug. 19, 1881	"	40	"	2
2218 Foster, John T.	Sept. 20, 1881	Dubois	27 Indiana	Graduate in medicine	5
1046 Welborn, Geo. B.	Aug. 19, 1881	Wood Lawn	51	In business July 1, 1881	3
3243 Welborn, E. E.	July 23, 1883	Hoyleton	30	Graduate in medicine	14 years
954 Gruhs, Wm. H.	Aug. 19, 1881	Nashville	30	In business July 1, 1881	14

Washington County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
2182	Jones, Ethelred	Sept. 20, 1881	Nashville	49	Penn.	In business July 1, 1881	1 year
2596	Trouitt, Jas. J.	Oct. 4, 1881	"	37	Kentucky	Graduate in medicine	3 "
782	McKean, John S.	Aug. 17, 1881	"	33	Illinois	In business July 1, 1881	5 "
2993	Morrison, J. R.	Sept. 20, 1881	Oakdale	39	Illinois	"	6 "
2992	Poss, B. C.	Sept. 20, 1881	"	36	Illinois	"	7 "
3571	Poss, B. C.	May 19, 1881	Okawville	27	Indiana	Graduate in medicine	27 years
779	Merrill, Wm. S.	Aug. 18, 1881	Richview	52	Missouri	In business July 1, 1881	25
2740	Petros, J. A.	Dec. 14, 1881	"	54	Italy	"	25

WAYNE COUNTY.

349	Billington, Jas. P.	Aug. 9, 1881	Claire	38	Tennessee	In business July 1, 1881	6 years
2887	Keen, I. N.	April 14, 1882	Fairfield	22	Illinois	Licentiate in pharmacy	7 "
2903	Lasley, Wm. M.	April 14, 1882	"	33	Ohio	"	10 "
2295	Porterfield, M. W.	Sept. 20, 1881	"	25	Illinois	In business July 1, 1881	7 months
2294	Porterfield, W. C.	Sept. 20, 1881	"	23	Illinois	"	11 years
292	Roberts, Nathan E.	Aug. 9, 1881	"	32	"	"	11 years
778	Tracy, Joshua M.	Aug. 13, 1881	Jeffersonville	36	"	"	7 "
2719	Johnson, Wm. M.	Dec. 14, 1881	Johnsonville	52	Tennessee	Graduate in medicine	11 "
2365	Vandaveer, J. W.	Sept. 20, 1881	Mt. Erie	28	Illinois	In business July 1, 1881	5 "
2711	Chaney, D. F.	Dec. 14, 1881	Renard	35	Indiana	"	3 "

WHITE COUNTY.

1105	Berry, Daniel	Aug. 31, 1881	Carmi	44	Mass.	Graduate in medicine	14 years
990	Foster, Frank J.	Aug. 19, 1881	"	52	Ohio	In business July 1, 1881	8 "
2988	Stewart, Elam L.	Sept. 20, 1881	"	56	Illinois	Graduate in medicine	8 "
1730	Wilcox, Chas. E.	Sept. 1, 1881	"	27	Ohio	In business July 1, 1881	2 "
1088	Davenport, A.	Aug. 19, 1881	Crossville	31	Illinois	"	1 "
1064	Smith, Wm. O.	Aug. 19, 1881	"	39	"	Graduate in medicine	5 "
3326	Latham, S. C.	Oct. 20, 1881	Enfield	60	"	"	5 years
1543	Welsh, William W.	Sept. 1, 1881	"	51	Indiana	In business July 1, 1881	3 "
2560	Welsh, Arthur E.	Oct. 5, 1881	"	23	"	"	3 "

215	Lowe, W. H.	Sept. 20, 1881	Gossett.	47 Ohio	In business July 1, 1881	4 years..
573	Harrell, J. L.	Aug. 10, 1881	Grayville,	24 Illinois	Graduate in pharmacy	1 "
3928	Schmidt, Flor. J.	June 2, 1885	"	42 "	In business July 1, 1881	6 "
582	Boord, F. M. J.	Aug. 10, 1881	"	40 Indiana	Graduate in medicine	23 "
457	Hall, Charles R.	Aug. 9, 1881	"	33 Illinois	In business July 1, 1881	10 "
3646	Hall, W. L.	July 24, 1884	"	26 "	"	5 years..
2126	Bayne, Henry A.	Sept. 20, 1881	Norris City	44 "	"	4 "
2915	Langford, James H.	Sept. 20, 1881	Phillipstown	78 Indiana	Graduate in medicine	8 "
1314	Lemmon, R. B.	Aug. 31, 1881	"	57 New York	In business July 1, 1881	13 "
2327	Racon, M. H.	Sept. 20, 1881	"	58 Ohio	"	15 "
1829	Newell, David	Sept. 1, 1881	"	"	"	"

WHITESIDE COUNTY.

1171	Chamberlain, Susanah E.	Aug. 31, 1881	Albany	53 Illinois	In business July 1, 1881	16 years..
834	Cobb, Sumner S.	Aug. 19, 1881	Coleta	32 New York	"	13 "
1523	Burridge, F. E.	Sept. 1, 1881	Erie	23 Michigan	"	5 "
1193	Cunningham, Joseph M.	Aug. 31, 1881	"	35 New York	Graduate in medicine	7 "
1761	Allen, Mortimer D.	Sept. 1, 1881	Fenton Centre	30 Penn.	In business July 1, 1881	5 "
2755	Ward, James F.	Sept. 20, 1881	Fulton City	27 Ohio	"	6 "
2776	Ward, James N.	Sept. 20, 1881	"	59 New Jersey	"	6 "
1661	Williams, Leslie	Sept. 1, 1881	"	33 Mass.	"	9 "
2572	Green, John S.	Sept. 20, 1881	Morrison	50 New York	"	19 "
322	Knox, Walter E.	Aug. 9, 1881	"	30 Illinois	"	9 "
2582	Martin, Aaron H.	Sept. 20, 1881	"	43 New York	"	15 "
3570	Eskey, F. W.	May 12, 1884	Prophetstown	26 W. Virginia	Graduate in medicine	"
3954	Ug, J. E.	Nov. 6, 1882	"	32 Ohio	Graduate in pharmacy	16 years..
3900	Morrill, G. M.	April 23, 1885	"	34 New York	Graduate in medicine	"
1185	Mosher, Jas. H.	Aug. 31, 1881	"	41 "	"	10 years..
1898	Bickford, J. M.	Sept. 1, 1881	Rock Falls	25 Wisconsin	In business July 1, 1881	3 "
242	Brown, A. A.	Oct. 4, 1881	Sterling	50 New York	"	14 "
1160	Brown, Catherine B.	Aug. 31, 1881	"	36 "	"	7 "
3173	Perry, Geo. P.	July 1, 1883	"	33 Penn.	Graduate in pharmacy	8 "
3903	Boorse, H. A.	April 23, 1885	"	34 "	"	7 "
1983	Eshleman, J. K.	Sept. 1, 1881	"	35 "	In business July 1, 1881	8 months.
2227	Handricks, A. B.	Sept. 20, 1881	"	32 "	"	13 years..
770	Leet, Henry	Sept. 18, 1881	"	46 "	"	3 "
2550	Leet, John F.	Oct. 1, 1881	"	35 Illinois	Graduate in medicine	3 "
1791	Kline, Geo. L.	Sept. 1, 1881	"	43 Penn.	In business July 1, 1881	15 "
1984	Oliver, Oscar A.	Sept. 1, 1881	"	30 Illinois	"	14 "
2353	Strickler, J. B.	Sept. 20, 1881	"	27 Penn.	"	6 months.
2320	Strickler, J. S.	Oct. 4, 1881	"	29 "	"	4 years..
480	Weaver, B. M.	Aug. 31, 1881	"	23 Illinois	"	7 months.
1251	Jacobs, A. E.	Aug. 9, 1881	Tampico	26 "	"	4 years..
234	Ladue, E. A.	Aug. 9, 1881	"	40 New York	"	4 years..
3852	Smith, A. C.	April 11, 1885	"	44 Illinois	Graduate in medicine	6 "

WILL COUNTY.

Number of certificate.	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1974	Brown, Geo. M.	Sept. 1, 1881	Beecher	21	Illinois	In business July 1, 1881.	9 months.
2801	Ruden, Carl F.	Jan. 13, 1882		59	Germany	"	21 years.
2710	Barr, D. S.	Dec. 14, 1881	Baldwood	21	Scotland	"	4 "
2573	Caron, H. L.	Sept. 20, 1881	"	42	France	Graduate in medicine	35 "
4	Charlton, C. K.	Aug. 9, 1881	"	40	New York	In business July 1, 1881	8 "
3200	Smith, J. A.	July 14, 1883	"	23	"	Licentiate in pharmacy	5 "
533	Watson, Frank O.	Aug. 10, 1881	"	30	Penn.	In business July 1, 1881	6 "
324	Watson, Wm. J.	Aug. 10, 1881	"	39	"	"	7 "
3251	Wade, H. C.	July 28, 1883	"	26	England	Graduate in medicine	3 years.
2556	Jackson, Wm. M.	Oct. 4, 1881	Channahon	26	"	"	"
371	Brauns Gustavus	Aug. 9, 1881	Crete	41	Vermont	In business July 1, 1881	34 "
727	Westgate, Wm. R.	Aug. 17, 1881	"	43	New York	"	13 "
2042	Keith, Wm. F.	Sept. 20, 1881	Elwood	53	England	"	18 "
148	Ridge, Wm.	Aug. 9, 1881	"	51	New York	"	8 "
2188	Barker, H. S.	Sept. 20, 1881	Frankfort Station	30	New York	"	7 "
331	Bray, E. M.	Aug. 9, 1881	Joilet	54	Ireland	In business July 1, 1881	23 "
2395	Brewer, Percival	Sept. 20, 1881	"	22	Illinois	Graduate in pharmacy	6 1/2 "
961	Brown, James D.	Aug. 19, 1881	"	55	New York	In business July 1, 1881	30 "
960	Brown, J. H.	Aug. 19, 1881	"	53	"	"	28 "
3587	Fabrner, John	Sept. 20, 1884	"	30	Austria	Graduate in medicine	35 "
35	Golliday, F. F.	Aug. 9, 1881	"	28	Ohio	In business July 1, 1881	11 1/2 years.
3529	Holzhauser, Wm. U.	May 5, 1884	"	27	Wisconsin	Graduate in pharmacy	10 "
3648	Johnson, J. B.	July 24, 1884	"	23	Illinois	"	"
3704	Kenelly, F. C.	Oct. 16, 1884	"	39	New York	Licentiate in pharmacy	9 years.
593	Keyes, John	Aug. 10, 1881	"	21	Penn.	In business July 1, 1881	32 "
2984	Killeffer, J. F.	Oct. 12, 1881	"	36	Switzerland	Licentiate in pharmacy	6 "
962	Limacher, Jos	Aug. 19, 1881	"	29	Illinois	In business July 1, 1881	12 "
3841	McGoffin, Wm. R.	April 8, 1885	"	23	"	Graduate in medicine	8 years.
3103	Mount, J. B.	Jan. 25, 1883	"	64	Austria	In business July 1, 1881	46 "
116	Woerdn, F.	Aug. 9, 1881	"	66	New York	In business July 1, 1881	35 "
819	Woodruff, George H.	Aug. 18, 1881	"	46	"	Licentiate in medicine	4 "
1433	Bacon, Charles H.	Aug. 31, 1881	Lockport	23	"	In business July 1, 1881	6 "
1432	Knovies, Frank J.	Aug. 31, 1881	"	23	"	Graduate in medicine	10 years.
3731	Mood, A. J.	Nov. 7, 1881	"	41	"	"	7 "
2388	Moore, O. W.	Sept. 20, 1881	"	41	"	In business July 1, 1881	16 "
3118	Belinson, Wm	April 16, 1883	Mokena	40	Germany	"	6 "
301	Helms, John A.	Aug. 9, 1881	Wenec.	44	New York	In business July 1, 1881	16 "
633	Knickerbocker, Ward	Aug. 10, 1881	New Lennox	41	"	"	6 "

327	Searles, F. W.	July 30, 1883	New Lennox	Illinois	Graduate in medicine	3 years
659	Board, David J.	Aug. 10, 1881	Peotone	Illinois	In business July 1, 1881	4 months
868	Mills, Andrew J.	Aug. 19, 1881	"	New York	Graduate in medicine	4
867	Mills, Wm. F.	Aug. 19, 1881	"	Illinois	Graduate in medicine	2 years
3440	Sammons, E. B.	Jan. 23, 1884	"	Vermont	Graduate in medicine	2 years
3441	Shumway, E. B.	Jan. 23, 1884	Plainfield	New Jersey	Graduate in medicine	9
2831	Adams, Joseph R.	Jan. 12, 1882	"	Penn.	Graduate in medicine	2 years
1116	Clippinger, I. A.	Aug. 31, 1881	"	Ohio	Graduate in medicine	9
2557	Jump, David W.	Oct. 4, 1881	"	Illinois	Graduate in medicine	15
3308	Robias, Thomas C.	Sept. 27, 1883	Wilmington	New York	Graduate in medicine	17
734	Willard, Edwin R.	Aug. 17, 1881	"	"	"	"
372	Willard, E. W.	Aug. 9, 1881	"	"	"	"

WILLIAMSON COUNTY.

2961	Graham, J. J.	July 1, 1882	Creal Springs	Indiana	Licentiate in pharmacy	8 years
1701	Rodman, W. R.	Sept. 1, 1881	"	Illinois	In business July 1, 1881	6
3730	Eaton, Richard J.	Nov. 26, 1884	"	Illinois	Graduate in medicine	3 years
746	Hampton, R. H. H.	Aug. 17, 1881	Carterville	"	In business July 1, 1881	2
2578	Perry, Wm. H.	Oct. 4, 1881	"	"	Graduate in medicine	6
1070	Price, Jonathan	Aug. 19, 1881	"	England	In business July 1, 1881	2
2297	Bones, Thomas	Sept. 20, 1881	Crab Orchard	Illinois	Graduate in medicine	3 years
3591	McDonald, M. M.	June 11, 1884	"	Tennessee	In business July 1, 1881	3
1027	Bidwell, C. M.	Aug. 19, 1881	Lake Creek	"	"	"
2820	Darrow, Eli L.	Jan. 13, 1882	"	"	"	"
782	Benson, Julia A.	Aug. 18, 1881	Marion	Kentucky	Graduate in medicine	3
526	Cline, John M.	Aug. 10, 1881	"	Indiana	In business July 1, 1881	2
2543	Evans, George W.	Oct. 4, 1881	"	Illinois	Graduate in medicine	9
3750	Lodge, A. N.	Jan. 7, 1885	"	Illinois	In business July 1, 1881	12 years
2398	Mitchell, James C.	Sept. 20, 1881	"	Tennessee	"	4
107	Washburn, W. S.	Aug. 9, 1881	"	"	"	"

WINNEBAGO COUNTY.

188	King, Oscar	Aug. 9, 1881	Cherry Valley	New York	In business July 1, 1881	20 years
2051	Varr, Caleb A.	Sept. 20, 1881	Durand Station	Mass.	"	4
1189	Trull, Ziba A.	Aug. 31, 1881	Pecatonica	N. Hamp.	"	8
588	Brown, E. W.	Aug. 10, 1881	Rockford	Illinois	"	2
3407	Burton, T. R.	Jan. 12, 1884	"	Canada	Licentiate in pharmacy	"

Winnebago County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1375	Church, C. M.	Aug. 31, 1881	Rockford	21	Illinois	In business July 1, 1881.	15 years.
2454	Cooke, Fred.	Oct. 4, 1881	"	31	Canada	"	15
580	Ekstein, A. A.	Aug. 10, 1881	"	31	Sweden	"	9
1964	Foote, Walter L.	Sept. 1, 1881	"	37	Illinois	"	9
713	Gearn, Geo. C.	Aug. 17, 1881	"	38	New York	"	13
575	Harding, S. T.	Aug. 10, 1881	"	42	Michigan	"	29
3107	Henderson, Alex.	Jan. 29, 1883	"	24	Scotland	"	7
3081	Hitchcock, G. J.	Sept. 20, 1881	"	47	New York	In business July 1, 1881.	16
3641	Marr, Julius, Jr.	July 20, 1883	"	25	Illinois	Graduate in pharmacy.	7
2890	McNair, J. M.	April 14, 1882	"	35	New York	Licentiate in pharmacy.	16
3494	Nye, Fred. T.	April 3, 1882	"	29	Illinois	Graduate in medicine.	9 years.
621	Nordling, K. A. L.	Aug. 10, 1881	"	47	Sweden	In business July 1, 1881.	20
9281	Porter, J. E.	Sept. 20, 1881	"	47	Ohio	"	15
3741	Rowlands, R. C.	Sept. 14, 1881	"	33	Georgia	"	25
1783	Sabin, Chas.	Sept. 1, 1881	"	33	Connecticut	"	25
3724	Letzler, Axel	Oct. 25, 1884	"	35	Sweden	Graduate in pharmacy.	8
3713	Woodard, W. P.	Oct. 16, 1884	"	23	Illinois	Licentiate in pharmacy.	4 1/2
1327	Worthington, W. H.	Aug. 31, 1881	"	23	Illinois	In business July 1, 1881.	13
2202	Worthington, Wm.	Sept. 23, 1881	"	68	Mass.	"	38
816	Wyden, Wm. C.	Aug. 18, 1881	"	33	England	"	6
3009	Fulder, H. D.	Aug. 25, 1886	Rockton.	36	New York	Graduate in medicine.	3 years.
3204	Fuller, H. D.	April 25, 1886	"	19	Illinois	Licentiate in pharmacy.	15
2158	Packard, J. W.	July 11, 1884	"	36	Illinois	In business July 1, 1881.	2
2163	Bradley, J. A.	Sept. 20, 1881	Roscoe	63	New York	"	"
2163	Fyter, L. S.	Sept. 20, 1881	"	"	"	"	"

WOODFORD COUNTY.

2473	Fry, John	Oct. 1, 1881	Benson	45	England	In business July 1, 1881.	6 years.
1427	Learned, F. D.	Sept. 1, 1881	"	40	N. Hamp.	"	6
820	Dunn, David	Aug. 9, 1881	El Paso	42	Illinois	"	3
160	Strahman, C. A.	Aug. 9, 1881	"	24	"	"	9
3810	Crawford, N. B.	Feb. 6, 1885	Eureka	45	"	Graduate in medicine.	6 years.
1461	Chamberlain, J. H.	Aug. 31, 1881	"	37	Ohio	In business July 1, 1881.	25
1462	Finley, James W.	Aug. 31, 1881	"	41	Missouri	"	10
1815	Walden, Theron D.	Sept. 1, 1881	Metamora	42	New York	"	10
196	Wilcox, Isaac	Aug. 9, 1881	"	46	Ohio	"	35

2327	Cushing, George W	Jan. 18, 1882	Minonk	Illinois	in business July 1, 1881	11 years
138	Weber, George W	Aug. 9, 1881	"	Missouri	"	8
1483	Zinser, S. L.	Sept. 1, 1881	"	Ohio	"	8
510	Wheelwright, J. F.	Aug. 10, 1881	Roanoke	Maine	"	7
428	Zimmerman, D. B.	Aug. 9, 1881	"	Illinois	"	8
665	Hereford, E. L.	Aug. 10, 1881	Secor	"	"	4
1219	Tribbey, Peter L.	Aug. 31, 1881	"	Kentucky	Graduate in medicine	18
814	Fulton, Milton S.	Aug. 18, 1881	Washburn	Ohio	in business July 1, 1881	10
2739	Folz, Herman J.	Dec. 14, 1881	"	Prussia	"	15

REGISTERED ASSISTANT PHARMACISTS.

ADAMS COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
534	Duff, P. D.	Sept. 20, 1881	Clayton.	21	Illinois	.....	2 years.
841	Teachnor, I. L.	Sept. 20, 1881	.....	24	Ohio	.....	8
1024	French, Frank	Oct. 6, 1881	Mendon	20	Illinois	.....	4
357	Amann, H.	Sept. 20, 1881	Quincy.	30	.....	.....	6
82	Breer, P. H.	Aug. 11, 1881	.....	25	..	.....	4
885	Fischer, John	Oct. 4, 1881	.....	24	Wisconsin.	.....	11
188	Germann, P.	Aug. 17, 1881	..	62	Germany	.....	12
140	Lendke, Ferd	Aug. 17, 1881	..	24	Prussia	.....	7
388	Montgomery, J. P.	Sept. 20, 1881	..	21	Missouri	.....	5
404	Montgomery, R. W.	Sept. 20, 1881	..	19	Missouri	.....	3
93	Parke, F. C.	Oct. 5, 1881	.....	22	Michigan	.....	2
382	Schmitt, G. L.	Sept. 20, 1881	..	26	Illinois	.....	2
169	Shadle, Wm. J.	Aug. 17, 1881	..	24	New York	.....	6
441	Thies, Arnold	Sept. 20, 1881	..	20	Illinois	.....	6

ALEXANDER COUNTY.

765	Barclay, P. C.	Sept. 20, 1881	.....	25	Illinois	.....	3 years.
739	McDowell, W. F.	Sept. 20, 1881	.....	34	New York	.....	16
193	Metzger, M. G.	Aug. 17, 1881	..	28	..	.....	9
560	Speck, Geo. H.	Sept. 20, 1881	..	28	Ohio		12

BOND COUNTY.

559	McCord, E. S.	Sept. 20, 1881	Greenville.	22	Illinois		5 years.
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BOONE COUNTY.

1123 Patterson, Eugene C.	Dec. 14, 1881	Belyidere.	26 Illinois	2 years.
1301 Ransom, F. L.	Aug. 19, 1881	"	21 "	4 "
301 Briggs, M. I.	Aug. 19, 1881	Poplar Grove	46 N. Hamp.	2 "
1186 Warren, W. J.	April 12, 1882	"	33 New York	11 "

BUREAU COUNTY.

335 Brees, Milton	Aug. 19, 1881	Naponeet.	54 Penn.	8 years.
583 Cobb, C. M.	Sept. 20, 1881	Princeton	33 Maryland	14 "
1105 McManis, O. Jr.	Dec. 14, 1881	"	22 Illinois	2 "
567 Trulson, John	Sept. 20, 1881	"	26 Sweden	7 "
82 Mills, John R. Jr.	Aug. 11, 1881	Tiskilwa	41 Ohio	2 "
913 Burrell, Emily O.	Oct. 5, 1881	Walnut	57 New York	5 "

CARROLL COUNTY.

64 Miller, H. W.	Aug. 11, 1881	Lapark.	20 Illinois	3 years.
187 Moffett, T. M.	Aug. 17, 1881	"	33 "	12 "
102 Foster, Geo. O.	Aug. 17, 1881	Mt. Carroll	20 "	2 "
483 Kellong, F. E.	Sept. 20, 1881	Savanna	26 "	2 "
176 Lutz, M. F.	Aug. 17, 1881	Shannon	25 Penn.	8 "

CASS COUNTY.

796 Schaefer, J. H.	Sept. 20, 1881	Arenzville	24 Illinois	6 years.
353 Wolfe, J. G.	Sept. 20, 1881	Ashland	21 "	2 "
1029 Dowler, Arthur	Oct. 6, 1881	Beardstown	18 "	2 "
394 Rice, C. A.	Sept. 20, 1881	"	18 "	2 "
621 Reynolds, J. W.	Sept. 20, 1881	Virginia	28 "	12 "

CHAMPAIGN COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
910	Brown, W. H.	Oct. 5, 1881	Champaign.	38	Indiana	.....	7 years.
723	Tucker, H. P.	Sept. 20, 1881	.....	24	Illinois	.....	7
40	Woodbridge, W. A.	Aug. 11, 1881	Gifford.	23	New York	.....	3
423	Tinkham, M. D. C.	Sept. 20, 1881	Homer.	20	Illinois	.....	3
328	Waples, Wm.	Sept. 19, 1881	.....	60	Ohio	.....	20
23	Rollins, J. F.	Aug. 11, 1881	.....	23	Kentucky	.....	4
263	Hess, F. C.	Aug. 18, 1881	Mehomet.	19	Illinois	.....	3
581	Cole, Wm. R.	Sept. 20, 1881	Rantoul.	36	Canada	.....	8
574	Miller, L. C.	Sept. 20, 1881	Quincy.	33	Indiana	.....	2 1/2
480	Hunt, Cory A.	Sept. 20, 1881	Urbana.	30	Illinois	.....	2
424	Knowlton, E. M.	Sept. 20, 1881	.....	29	Vermont	.....	2
407	Signor, Geo. J.	Sept. 20, 1881	"	24	Illinois	.....	2
406	Sim, W. T.	Sept. 20, 1881	"	20	.....	.....	4

CHRISTIAN COUNTY.

563	Arnold, A. E.	Sept. 20, 1881	Morrissonville	24	Michigan	.....	4 years.
686	Bloxam, W. G.	Sept. 20, 1881	Mt. Auburn.	19	Illinois	.....	3
761	Mooney, E. R.	Sept. 20, 1881	.....	28	Penn.	.....	3
916	Cassius, S. E.	Oct. 5, 1881	Owaneco.	29	Ohio	.....	3
931	Newberry, J. R.	Oct. 5, 1881	Sharpsburg.	31	Illinois	.....	5
197	Purnell, L. B.	Aug. 17, 1881	Taylorville.	21	Maryland.	.....	5

CLARK COUNTY.

632	Brown, John P.	Sept. 20, 1881	Caasey.	36	Canada	.....	11 years.
860	Drake, Jas. M.	Sept. 20, 1881	Marshall.	27	Illinois	.....	3
223	Berkley, Thos. E.	Aug. 17, 1881	Martinville.	42	.....	.....	6
196	Forrer, J. C.	Aug. 17, 1881	.....	35	Ohio	.....	10

CLAY COUNTY.

845 Falley, F. C.	Sept. 20, 1881	Rible Grove.	68 Ohio	6 years..
495 Guager, Mary J.	Sept. 20, 1881	Xenia	27 Illinois	6 ..

CLINTON COUNTY.

1042 Meguire, Mary E.	Oct. 6, 1881	Trenton	30 Illinois	7 years..
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COLES COUNTY.

747 Kennedy, W. C.	Sept. 20, 1881	Charleston	24 Illinois.	9 years.
643 Dora, John W.	Sept. 20, 1881	Mattoon	20 ..	2 ..
85 Horn, F. L.	Aug. 11, 1881	..	19 ..	3 ..

COOK COUNTY—CHICAGO.

743 Abel, E. J.	Sept. 20, 1881	208 W. Indiana	26 Missouri	12 years..
822 Ackley, F. D.	Aug. 19, 1881	201 W. Randolph	50 New York	25 ..
134 Adair, Edward	Aug. 17, 1881	521 Madison	35 Canada	13 ..
690 Ade, D. A.	Sept. 20, 1881	126 Milwaukee ave	18 New York	13 ..
908 Ade, Samuel G.	Sept. 5, 1881	128 Milwaukee ave	22 New York	7 ..
909 Ade, E. G.	Oct. 5, 1881	232 Milwaukee ave	21 New York	6 ..
511 Alborn, F. H.	Sept. 20, 1881	124 Cuyaboun ave	19 Illinois	4 ..
253 Angel, J. F.	Sept. 18, 1881	117 S. Clark st.	19 New York	5 ..
413 Anderson, H. B.	Sept. 20, 1881	3458 Cottage Grove ave	36 New York	14 ..
628 Bagby, John C.	Sept. 20, 1881	129 Thirty-fifth st.	27 Illinois	8 ..
267 Beck, A. B.	Aug. 18, 1881	432 N. Clark st.	22 Indiana	2 1/2 ..
911 Behnke, J. C.	Oct. 5, 1881	237 N. Clark st.	21 Illinois	5 ..
983 Benson, R. F.	Sept. 20, 1881	445 N. Clark st.	42 Pennsylvania	19 ..
757 Berger, F. J.	Sept. 20, 1881	1486 Milwaukee ave.	23 Wisconsin	5 ..
621 Biersdorf, E. A.	Sept. 20, 1881	3160 Suite st.	27 New York	10 ..
804 Bishop, Charles	Sept. 20, 1881	160 W. Harrison st.	30 Canada	10 ..

City of Chicago—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
521	Bishop, N. E.	Sept. 20, 1881	29 Lake st.	38	New York.	.....	18 years.
522	Billerbeck, F. C.	Aug. 12, 1881	2439 Wentworth av.	23	New York.	.....	11
431	Bliss, Hale	Sept. 20, 1881	Cop. Harrison and Wood.	32	Michigan.	.....	12
777	Bluthardt, Oscar	Sept. 20, 1881	247 Madison st.	29	Prussia.	.....	10
140	Browne, S. P.	Aug. 17, 1881	240 Erie st.	21	Canada.	.....	6
912	Brundage, E. W.	Oct. 5, 1881	615 Center ave.	18	Illinois.	.....	2½
609	Burgwedel, A. C.	Sept. 20, 1881	699 S. Ashland ave.	24	Indiana.	.....	2
724	Butler, F. A.	Sept. 20, 1881	175 W. Madison st.	18	Illinois.	.....	2
491	Bush, T. E.	Sept. 20, 1881	35th ave. and Madison	19	.....	.....	3½
775	Carlemann, C. B.	Sept. 20, 1881	61 Chicago ave.	21	Sweden.	.....	3
120	Carpenter, E. J.	Aug. 17, 1881	626 Lake st.	30	Illinois.	.....	10
165	Coffin, S. L.	Aug. 17, 1881	92 Twenty-second st.	35	Illinois.	.....	10
804	Crain, J. W.	Sept. 20, 1881	735 W. Madison	21	Michigan.	.....	6½
346	Dannecker, W. E.	Sept. 20, 1881	248 Clark.	22	Indiana.	.....	2
454	Davison, W. T.	Sept. 20, 1881	Rush Medical College.	25	Illinois.	.....	3
960	Daniels, C. T.	Oct. 5, 1881	5540 Wentworth ave.	23	.....	.....	9
347	Diamond, Thos. E.	Sept. 20, 1881	125 Clark.	22	Canada.	.....	10
726	Dietz, John	Sept. 20, 1881	Wright's Grove.	25	Wisconsin.	.....	9½
957	Dyche, W. C.	Oct. 5, 1881	64 State.	29	Georgia.	.....	10½
1129	Eakins, D. S.	Jan. 13, 1882	392 Wabash ave.	48	Canada.	.....	15
482	Eberlein, Emil C.	Sept. 20, 1881	467 W. Chicago ave.	22	Germany.	.....	7
962	Engel, C. I.	Oct. 5, 1881	422 W. Twelfth.	38	Prussia.	.....	12
60	Evenson, C. H.	Aug. 11, 1881	392 Wabash ave.	21	Wisconsin.	.....	2
1027	Fenwick, W. H.	Oct. 6, 1881	221 W. Madison.	21	Illinois.	.....	2
921	Flake, Calvin J.	Oct. 5, 1881	3640 Cottage Grove ave.	.....	.....	.....	9½
722	Franken, J. L.	Sept. 20, 1881	422 W. 12th.	20	Iowa.	.....	3
957	Frisch, Hans	Oct. 5, 1881	69 E. Kinzie.	31	Denmark.	.....	16
373	Gale, W. H.	Oct. 20, 1881	Dearborn and Madison.	21	Illinois.	.....	3
453	Gardner, W. C.	Sept. 20, 1881	183 Superior st.	22	Wisconsin.	.....	4
678	Getz, Michael	Oct. 20, 1881	113 W. Madison.	22	Illinois.	.....	5
324	Gill, Chas. W.	Aug. 19, 1881	51 Lake st.	32	W. Virginia.	.....	3
924	Gilliland, Wm.	Oct. 5, 1881	427 S. May.	32	Penn.	.....	14
466	Goltz, J. A.	Sept. 20, 1881	427 S. May.	29	Tennessee.	.....	8
475	Goodfellow, C. W.	Sept. 20, 1881	240 Wabash ave.	24	New York.	.....	9
160	Guertler, Joseph	Aug. 17, 1881	171 Blue Island ave.	24	.....	.....	6
811	Heymann, C. J.	Sept. 20, 1881	293 W. Lake.	23	Illinois.	.....	6
716	Haberer, O. J.	Sept. 20, 1881	257 W. 12th.	21	Germany.	.....	2

699	Haerther, A. G.	Sept. 20, 1881	422 W. Madison	23	Illinois	12	years
700	Hague, W. L.	Sept. 20, 1881	13 State st.	25	W. Virginia	6	"
701	Hamilton, Wm.	Aug. 17, 1881	81 Michigan ave.	24	Illinois	6	"
702	Hamilton, Emil	Sept. 20, 1881	3637 Indiana	30	Sweden	9	"
703	Harvey, T. P.	Sept. 20, 1881	3901 Cottage Grove ave.	33	Canada	15	"
704	Haynes, Geo. H., Jr.	Sept. 20, 1881	78 E. Madison	19	"	2	"
705	Healy, W. J. K.	Sept. 20, 1881	220 Randolph	19	"	3	"
706	Hermann, H. Von	Sept. 20, 1881	420 Twenty-sixth	22	Germany	4	"
707	Hermann, W. F.	Aug. 18, 1881	173 VanBuren	24	"	9	"
708	Hottenroth, A.	Oct. 5, 1881	128 Wells	45	"	23	"
709	Ingraham, W. E.	Sept. 20, 1881	257 N. Clark	25	Mass.	12	"
710	Kasbaum, C.	Aug. 11, 1881	250 Halsted	22	Indiana	4	"
711	Kenagy, John F.	Sept. 20, 1881	1558 Wabash ave.	26	Penn.	8	"
712	Kienh, George	Sept. 20, 1881	2505 Cottage Grove	29	Germany	6	"
713	Knefel, F. P.	Aug. 19, 1881	169 Fourth ave.	20	Colorado	2	"
714	Krems, Morris	Oct. 4, 1881	183 W. Randolph	44	Germany	29	"
715	Livesay, R. J.	Sept. 20, 1881	1014 W. Lake	22	Illinois	7	"
716	Kerr, R. H.	Aug. 19, 1881	495 W. Washington	21	Canada	2	"
717	Luning, A. G.	Oct. 5, 1881	Lake View	27	New Jersey	13	"
718	McCormick, Elmus	Sept. 20, 1881	727 Clybourn ave.	24	New York	5	"
719	McGoffin, W. R.	Sept. 1, 1881	530 W. Indiana	22	Illinois	5	"
720	McLennan, K. S.	Aug. 17, 1881	117 S. Clark	29	Canada	13	"
721	Mallen, P. H.	Oct. 5, 1881	48 E. Madison	23	Canada	3	"
722	Masberg, A.	Aug. 18, 1881	22 W. Madison	36	Germany	9	"
723	Mehl, Wm.	Sept. 20, 1881	47th and Ashland ave.	38	"	2	"
724	Merrifield, F. E.	Sept. 20, 1881	282 State	20	Illinois	23	"
725	Mathews, C. E.	Sept. 20, 1881	65 Randolph	22	Iowa	2	"
726	Merten, H. M.	Aug. 17, 1881	95 Fifth ave.	23	Ohio	8	"
727	Weissenheimer, E. O.	Sept. 20, 1881	140 State	21	Tennessee	2	"
728	Neubmann, H.	Sept. 20, 1881	396 Dearborn	18	Germany	2	"
729	Nichols, R. C.	Aug. 18, 1881	635 State	19	Wisconsin	4	"
730	Nichols, H. G.	Sept. 20, 1881	56 N. Sangamon	27	"	3	"
731	Niles, E. O.	Oct. 4, 1881	65 W. Randolph	30	Germany	16	"
732	Nielsen, Peter	Sept. 20, 1881	125 State	41	Denmark	6	"
733	Orin, A. W.	Sept. 20, 1881	154 Milwaukee ave.	38	Germany	12	"
734	Palmer, H. W.	Aug. 17, 1881	125 State	32	Wisconsin	15	"
735	Parsons, Geo. F.	Sept. 20, 1881	322 Cottage Grove	30	Ohio	6	"
736	Pilgrim, Fred	Sept. 20, 1881	3725 Cottage Grove	19	Illinois	4	"
737	Powers, Wm. H.	Jan. 13, 1882	Clark and Madison	27	Canada	10	"
738	Richards, W. T.	Aug. 11, 1881	1754 Wabash ave.	31	Ontario	3	"
739	Richardson, P. H.	Sept. 20, 1881	183 E. Ohio	29	Illinois	12	"
740	Ripke, Geo. W.	Sept. 20, 1881	91 Fullerton ave.	18	"	3	"
741	Ritter, G. E.	Aug. 18, 1881	189 E. Madison	34	Germany	16	"
742	Ritter, A. F.	Oct. 6, 1881	4341 S. Halsted	25	"	7	"
743	Roar, Wm. J.	Sept. 20, 1882	220 Randolph	19	England	5	"
744	Rosch, John C. W.	Sept. 20, 1881	307 Clybourn ave.	22	Illinois	5	"
745	Rosenbach, C. W.	Aug. 17, 1881	225 Twenty-first	37	Maryland	12	"
746	Russell, D. P.	Sept. 20, 1881	249 Western ave.	21	Illinois	8	"

City of Chicago—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
526	Sandstedt, H.	Sept. 20, 1881	1628 N. Clark	24	Sweden.	.....	4 years..
940	Sawyer, Wm. W.	Oct. 5, 1881	641 Madison	22	New York.	.....	2
96	Schaefer, Jacob.	Aug. 17, 1881	168 Twenty-second.	18	Illinois	.....	2
938	Schaefer, Louis	Aug. 5, 1881	286 W. Indiana	19	Norway	.....	2
1079	Schroeder, C. R.	Oct. 12, 1881	208 N. Clark st.	20	Wisconsin	.....	2
1134	Schroeder, Fred. J.	Jan. 13, 1882	2801 State st.	31	Missouri	.....	13
382	Schmitt, L. M.	Sept. 20, 1881	52 Lake st.	33	Illinois	.....	20
994	Schoenfeld, H.	Oct. 5, 1881	221 Wentworth ave.	31	Wisconsin	.....	14
113	Scupham, W. C.	Aug. 17, 1881	132 State st.	37	Scotland	.....	19
608	Schnuster, E. C.	Sept. 20, 1881	75 State st.	27	Illinois	.....	9
121	Scott, J. S.	Dec. 14, 1881	288 W. Van Buren st.	21	Ontario.	.....	3
247	Seibert, G. F.	Aug. 18, 1881	State and Madison.	28	Louisiana.	.....	11
386	Sempill, Wm. M.	Sept. 20, 1881	135 Clark	30	Scotland	.....	16
741	Sethness, C. O.	Sept. 20, 1881	288 W. Indiana st.	21	Norway	.....	6
473	Sherwood, H. E.	Sept. 20, 1881	240 Wabash ave.	26	Wisconsin	.....	5
722	Siddell, J. J.	Sept. 20, 1881	1558 Wabash ave.	39	Indiana	.....	5
941	Smith, E. N.	Oct. 5, 1881	951 W. Lake st.	43	New York.	.....	6
725	Stamm, Karl J.	Sept. 20, 1881	Lake View	27	Germany	.....	10
717	Steln, John	Sept. 20, 1881	32 N. Wells	25	Ohio	.....	11
399	Stockdale, S. C.	Oct. 5, 1881	519 Wabash ave	30	Indiana	.....	2
933	Straw, John I.	Oct. 5, 1881	128 S. Green	28	Penn.	.....	10
1081	Sweet, Chas. A.	Oct. 12, 1881	251 Walnut	23	Michigan	.....	9
1004	Thoma, H. F.	Oct. 5, 1881	571 S. Halsted st.	31	Illinois	.....	6
1003	Thumser, W. W.	Oct. 5, 1881	641 W. Madison st.	32	Illinois	.....	5
755	Trace, J. H.	Sept. 20, 1881	445 N. Clark st.	30	Penn.	.....	6
49	Vaupell, W. R.	Sept. 11, 1881	22 O'Brien st.	19	Illinois	.....	2
535	Venus, W. A.	Sept. 20, 1881	2576 Archer ave.	29	Wisconsin	.....	9
1098	Vincent, H.	Dec. 14, 1881	931 W. Madison st.	30	Illinois	.....	16
606	Vogelsing, Robt.	Sept. 20, 1881	156 W. Randolph st.	31	Germany	.....	13
62	Veeland, H. E.	Aug. 11, 1881	54 Waldo Place	25	New York	.....	8
1123	Wachenswanz, J.	Jan. 13, 1882	338 State st.	22	Ohio	.....	8
495	Wadewick, F. H.	Sept. 20, 1881	182 W. 12th.	27	Illinois	.....	6
67	Wairer, A. W.	Sept. 20, 1881	470 State st.	18	Penn.	.....	6
675	Weich, C. M.	Sept. 20, 1881	333 4th st.	18	Indiana	.....	2
74	Wells, Jas. H.	Aug. 11, 1881	951 W. Lake st.	21	Illinois	.....	3
606	Weise, Adolph	Sept. 20, 1881	862 S. Halsted st.	21	Germany	.....	5
672	Wilming, John B.	Sept. 20, 1881	39 S. Jefferson	23	Ohio	.....	4
308	Wilson, D. W.	Aug. 19, 1881	Dearborn and Madison	30	Mass.	.....	13

585 Wolfner, E. R.	Sept. 20, 1881	351 S. Clark st.	18 Illinois	2 years..
586 Wright, W. C.	Sept. 20, 1881	350 W. Indiana st.	21 New York	2 ..
587 Young, Nelson	Sept. 20, 1881	350 State st.	30 Ohio	10 ..
525 Young, Peter G.	Sept. 20, 1881	478 W. Indiana st.	20 Sweden	3 ..
920 Farwell, Edward J.	Oct. 5, 1881	Arlington Heights	54 New York	27 ..
103 Fay, A. G.	Oct. 6, 1881	Barrington	51 New York	13 ..
192 Parker, S. P.	Jan. 13, 1882	Blue Island	50 New York	15 ..
183 Schapper, Louis	Sept. 20, 1881	Blue Island	58 Europe	27 ..
1070 Busing, C. J.	Oct. 12, 1881	Colehour	Germany	10 ..
771 Root, M. H.	Sept. 20, 1881	Englewood	21 Illinois	6 ..
252 Jones, H. D.	Aug. 18, 1881	Hyde Park	35 New York	17 ..
707 Herrburg, John	Sept. 20, 1884	New Bremen	34 Germany	5 ..
854 Lindstrom, Wm.	Sept. 20, 1881	South Chicago	27 Sweden	4 ..

CRAWFORD COUNTY.

505 Lickliter, H. M.	Sept. 20, 1881	Annapolis	19 Ohio	4 years..
590 Gordon, G. P.	Sept. 20, 1881	Oblong	30 "	2 ..
358 Hardman, J. C.	Sept. 20, 1881	Robinson	28 "	6 ..
536 Kliner, E. B.	Sept. 20, 1881	"	21 Indiana	10 ..
121 Melford, D. A.	Aug. 17, 1881	"	22 Kentucky	5 ..

CUMBERLAND COUNTY.

186 Couzel, John	Aug. 17, 1881	Greenup	38 Ohio	10 years.
1082 Wilde, Wm.	Oct. 6, 1881	"	40 England	11 ..
519 Wilson, Leroy	Sept. 20, 1881	Neoga	28 Illinois	6 ..
151 Yanaway, A. H.	Aug. 17, 1881	Toledo	25 Ohio	9 ..
427 Yanaway, E. B.	Sept. 20, 1881	"	18 "	2 ..

DEKALB COUNTY.

24 Garner, C. W.	Aug. 11, 1881	DeKalb Center	22 Illinois	3 years..
340 Lundstrom, J. P.	Sept. 20, 1881	"	30 Sweden	6 ..
240 Post, Geo. D.	Aug. 18, 1881	"	42 Michigan	3 ..

DeKalb County—Continued.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years expatri-ence.
51	Ameson, John	Aug. 11, 1881	Sandwich .....	.....	19 Europe .....	.....	2 years..
954	Chapman, Wm.	Oct. 5, 1881	" .....	.....	34 New York .....	.....	17 ..
516	Couch, E. D.	Sept. 20, 1881	" .....	.....	22 Illinois .....	.....	6 ..
300	Irish, L. J.	Aug. 19, 1881	Sycamore .....	.....	28 New York .....	.....	4 ..
1087	Lavton, Perry	Dec. 14, 1881	" .....	.....	50 New York .....	.....	20 ..
901	Palmer, E. L.	Oct. 5, 1881	" .....	.....	27 New York .....	.....	7½ ..

DEWITT COUNTY.

486	Collins, F. N.	Sept. 20, 1881	Kenney .....	.....	28 Michigan .....	.....	12 years..
65	Pickard, W. H.	Aug. 11, 1881	Weidon .....	.....	23 Ohio .....	.....	4 ..

DOUGLAS COUNTY.

729	Carter, T. H.	Sept. 20, 1881	Arcola .....	.....	18 New York .....	.....	3½ years.
157	Henry, T. L.	Aug. 17, 1881	" .....	.....	29 Penn. ....	.....	16 ..
317	Porter, T. M.	Aug. 19, 1881	Camargo .....	.....	30 Kentucky .....	.....	3½ ..
1	Bilby, Omer	Aug. 11, 1881	Newman .....	.....	22 Indiana .....	.....	3 ..

DuPAGE COUNTY.

435	Daniels, Wm. C.	Sept. 20, 1881	Naperville .....	.....	19 Illinois .....	.....	4 years..
740	Nelson, J. C.	Sept. 20, 1881	Turner .....	.....	39 Penn. ....	.....	16 ..
98	Daniels, H. E.	Aug. 17, 1881	" .....	.....	40 Illinois .....	.....	25 ..
207	Hageman, L. B.	Aug. 17, 1881	Wheaton .....	.....	24 .....	.....	5 ..

EDGAR COUNTY.

821 Dever, B. H.	Sept. 20, 1881	Hume.	22 Illinois	6 years.
431 Eogue, Geo. H.	Sept. 20, 1881	Kansas	48	7
320 Payne, John A.	Aug. 19, 1881	"	22 Kansas	8
1085 Hay, F. F.	Dec. 14, 1881	Paris	22 Kentucky	2
1111 Hill, Wm. S.	Dec. 14, 1881	"	23 Indiana	8
882 Gasteel, James.	Oct. 4, 1881	Redmon	39 "	4
844 VanSoyk, A.	Sept. 20, 1881	Scott Land	22	3

EFFINGHAM COUNTY.

877 Fortney, B.	Oct. 4, 1881	Effingham	46 Indiana	10 years.
104 Vandever, T. G.	Aug. 17, 1881	"	16	16
978 Hutchison, S. E.	Oct. 5, 1881	Mason	44 Ohio	10
969 Mills, Robt. S.	Oct. 5, 1881	"	68	10

FAYETTE COUNTY.

538 Humphreys, F. C.	Sept. 20, 1881	Vandalla	22 New York	4 years.
348 McKenzie, E. Y.	Sept. 20, 1881	"	20 Illinois	5

FORD COUNTY.

208 Martin, A. F.	Aug. 17, 1881	Paxton	65 Ohio	15 years.
331 Culbertson, Clara K.	Aug. 19, 1881	Piper City	36 Penn	10
588 Pence, Aaron.	Sept. 20, 1881	Gibson City	22 Ohio	2 yr. 5 m's
1095 Lott, J. B.	Dec. 14, 1881	"	37	10 years.

FULTON COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
881	Tischer, Wm. C.	Oct. 4, 1881	Astoria.	19	Illinois.	.....	4½ years.
216	Mooney, R. N.	Aug. 17, 1881	.....	21	.....	.....	5
876	Babbitt, J. H.	Oct. 4, 1881	Avon.	40	.....	.....	5
897	Bedell, A. E.	Oct. 4, 1881	Canton.	18	New York.	.....	2½
781	Hurst, John M.	Sept. 20, 1881	.....	25	Penn.	.....	6
194	Porter, C. L.	Aug. 17, 1881	.....	28	Illinois.	.....	11
690	Wyman, H. H.	Sept. 20, 1881	.....	22	.....	.....	6
234	Heaton, C. W.	Aug. 17, 1881	Farmington.	40	Illinois.	.....	25
705	Smith, C. A.	Sept. 20, 1881	.....	29	Penn.	.....	2
697	Reay, F. E.	Sept. 20, 1881	Ipava.	19	Vermont.	.....	2
918	Pong, W. W.	Aug. 17, 1881	.....	40	Penn.	.....	17
116	Little, John P.	Aug. 17, 1881	.....	35	Illinois.	.....	13
148	Bays, George M.	Aug. 17, 1881	Lewis town.	25			6

GALLATIN COUNTY.

287	Krebs, L. W.	Aug. 18, 1881	Shawneetown.	21	Indiana		6 years.
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GREENE COUNTY.

1006	Vedder, I. N.	Oct. 5, 1881	Carrollton.	33	Illinois		17 years.
325	Saylor, C. W.	Aug. 19, 1881	Greenfield.	24	Tennessee.		2
86	Enslow, John H.	Aug. 11, 1881	Kane.	18	Illinois.	.....	2
1067	Barry, Wm. D.	Oct. 12, 1881	Roodhouse.	21	Kentucky	.....	2

GRUNDY COUNTY.

983 Mickle, J. W.	Oct. 5, 1881	Braceville	24 Illinois	3 years.
174 Agard, R. M.	Aug. 17, 1881	Gardner	46 Ohio	3 1/2
889 Gould, H. B.	Oct. 4, 1881		20 Illinois	10
155 Campbell, O. J.	Aug. 17, 1881	Mazon	27 New York	3
1078 Farmer, O. E.	Oct. 19, 1881	Morris	23 Illinois	3
641 Bailey, N. H.	Sept. 20, 1881	Verona	33 Penn.	3

HANCOCK COUNTY.

17 Stockton, C. E.	Aug. 11, 1881	Augusta	27 Illinois	3 years.
888 Beger, August	Oct. 4, 1881	Nauvoo	19 Ohio	2 1/2
1658 Shafer, A. E.	Oct. 6, 1881	Plymouth	25 Ohio	15
1693 Wade, J. S.	Dec. 14, 1881		33 Illinois	15

HENDERSON COUNTY.

276 McKee, H.	Aug. 18, 1881	Biggsville	26 Ireland	3 years.
147 Hand, L. H.	Aug. 17, 1881	Oquawka	33 Ohio	17
735 White, James R.	Sept. 20, 1881		62 Penn.	16

HENRY COUNTY.

454 Robinson, J. L.	Aug. 20, 1881	Anawan	30 Illinois	5 years.
531 Weekley, J.	Sept. 20, 1881	Atkinson	19 Ohio	3 1/2
71 Tillman, E. A.	Aug. 11, 1881	Cambridge	23 New York	2 yrs. 10 mo.
1090 Reese, Levina A.	Dec. 14, 1881	Colona	38 Canada	10 years.
163 Brown, B. F.	Aug. 17, 1881	Galva	21 Illinois	6
1040 Lees, E. D.	Oct. 6, 1881		19 England	5
583 Peterson, George S.	Sept. 20, 1881		18 Illinois	3
371 Harmon, F. H.	Sept. 20, 1881	Geneseo	39 Vermont	8
256 Wright, J. E.	Aug. 17, 1881		23 Illinois	5 1/2

IROQUOIS COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experienced.
261	Watson, Arvilla.....	Aug. 18, 1881	Chebanse.....	30	Illinois.....	.....	2 years..
250	West, F. L.....	Aug. 17, 1881	Gilman.....	18	New York.....	.....	6 " ..
212	Moore, Ira C.....	Aug. 17, 1881	".....	69	Maine.....	.....	7 " ..
728	Wylie, A. D.....	Sept. 20, 1881	Iroquois.....	23	Illinois.....	.....	2 " ..
857	Lovell, F. B.....	Sept. 20, 1881	Onarga.....	20	".....	.....	5 " ..
52	Brokaw, W. H.....	Aug. 11, 1881	Sheldon.....	22	Ohio.....	.....	3 " ..
686	Frazier, C. M.....	Sept. 20, 1881	Watseka.....	24	Illinois.....	.....	2 " ..

JACKSON COUNTY.

219	Cluster, O. C.....	Aug. 17, 1881	Campbell Hill.....	29	Ohio.....	.....	8 years..
838	Dean, O. A.....	Sept. 20, 1881	".....	27	Illinois.....	.....	5 " ..
38	Richard, E. B.....	Aug. 11, 1881	Carbondale.....	21	".....	.....	4 " ..
1080	Rees, Samuel H.....	Dec. 14, 1881	Murphysboro.....	20	".....	.....	3½ " ..
783	Werner, John A.....	Sept. 20, 1881	".....	50	U. S.....	.....	3 " ..

JASPER COUNTY.

1125	Moudy, S. H.....	Dec. 14, 1881	Newton.....	24	Illinois.....	.....	4 years..
520	Schackmann, F. C.....	Sept. 20, 1881	".....	25	".....	.....	3½ " ..

JEFFERSON COUNTY.

668	Johnson, J. N.....	Sept. 20, 1881	Mt. Vernon.....	27	Illinois.....	.....	10 years..
80	Rickaway, J. H.....	Aug. 11, 1881	".....	17	D. C.....	.....	7 " ..
902	Ridgeway, C. R.....	Oct. 5, 1881	".....	29	Illinois.....	.....	10 " ..
1000	Youngwirth, J. P.....	Oct. 6, 1881	".....	20	".....	.....	3 " ..

JERSEY COUNTY.

790 Hewitt, Wm. R.	Sept. 20, 1881	Grafton.	26 Illinois.	3 years..
1187 DuHadway, C.	Jan. 22, 1881	Jerseyville.	26 Ohio.	2 "
615 McEvers, John.	Sept. 20, 1881		26 Illinois.	4½ "

JODAVIESS COUNTY

587 Hutton, Nell.	Sept. 20, 1881	Elizabeth.	23 Illinois.	2 years..
1086 Heid, F. H.	Oct. 6, 1881	Gakana.	20 "	2 "
382 Hoffman, J. D.	Sept. 20, 1881		34 Germany.	18 "
706 Baldwin, Lee A.	Sept. 20, 1881	Warren.	18 Illinois.	3 "
719 Kessler, L. E.	Sept. 20, 1881		48 Penn.	16 "

JOHNSON COUNTY.

1047 Powell, Thomas B.	Oct. 6, 1881	Vienna.	23 Arkansas.	4 years..
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KANE COUNTY.

948 Bernhard, P. H.	Oct. 5, 1881	Aurora.	21 Illinois.	5 years..
1068 Bevier, J. E.	Dec. 14, 1881		35 "	2 "
650 Glover, J. L.	Sept. 20, 1881		51 Maine.	35 "
1001 Stephens, C. C.	Oct. 5, 1881	Batavia.	52 New Jersey.	11 "
903 Browning, F.	Oct. 4, 1881	Dundee.	20 Illinois.	5 "
598 Gahan, John T.	Sept. 20, 1881	Elgin.	24 "	6 "
1051 Springer, Edward.	Oct. 6, 1881		21 Ohio.	2 "
372 Tuck, T. L.	Sept. 20, 1881		23 Canada.	7yrs, 6 mo.
444 Weatherill, W. L.	Sept. 20, 1881		26 England.	3 years..
979 Jeffery, J. W.	Oct. 5, 1881	Geneva.	22 New York.	9 "
784 Terwilliger, C. W.	Sept. 20, 1881	Hampshire.	22 Illinois.	2 "

KANKAKEE COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
5	Balley, W. S.	Aug. 11, 1881	Grant Park	23	Illinois	.....	2 years.
981	Karsch, O. C.	Oct. 5, 1881	Kankakee	23	"	.....	4
332	Schubert, W. A.	Aug. 19, 1881	"	19	"	.....	2
8	Edwards, R. L.	Aug. 11, 1881	Momence	28	"	.....	4
152	Kirby, S. J.	Aug. 17, 1881	"	22	"	.....	5

KENDALL COUNTY.

437	Cook, A. E.	Sept. 20, 1881	Lisbon	35	Maine	.....	2 years.
676	Moore, Charles S.	Sept. 20, 1881	"	20	Illinois	.....	5
436	Moore, Jay E.	Sept. 20, 1881	"	18	"	.....	4
580	Hubbard, C. E.	Sept. 20, 1881	Oswego	41	"	.....	5
824	Jenks, F. H.	Sept. 20, 1881	Piano	18	"	.....	6
53	Seaton, J. Channing	Aug. 11, 1881	"	24	"	.....	2 1/2

KNOX COUNTY.

932	Bell, J. B.	Oct. 5, 1881	Abingdon	37	Ohio	.....	10 years.
622	Heller, John L.	Sept. 20, 1881	"	26	Illinois	.....	3
321	Johnson, J. H.	Aug. 19, 1881	"	25	Iowa	.....	3
57	Devendorf, C. H. A.	Aug. 11, 1881	Galesburg	19	Illinois	.....	4
494	Halsey, W. N.	Sept. 20, 1881	"	18	"	.....	3
899	Lescher, E. F.	Oct. 4, 1881	"	18	Penn.	.....	3
745	Lescher, John W.	Sept. 20, 1881	"	23	"	.....	3
525	McLernon, John	Sept. 20, 1881	"	26	England	.....	4 1/2
626	Temple, John	Sept. 20, 1881	"	47	"	.....	27
412	Witherell, O. C.	Sept. 20, 1881	Knoxville	23	Illinois	.....	3
13	Youngs, Benjamin	Aug. 11, 1881	Victoria	30	"	.....	3
978	Holt, J. D. C.	Oct. 5, 1881	Yates City	39	N. Hamp.	.....	3
213	Rhea, Smith	Aug. 17, 1881	"	61	Ohio	.....	9

LAKE COUNTY.

394 Sanborn, C. W.	Aug. 19, 1881	Libertyville	21 Wisconsin	8 years..
381 Bond, E. R.	Sept. 20, 1881	Waukegan	29 Illinois	7 ..
1061 Wright, E. J.	Oct. 6, 1881		35 Ohio	7 ..

LA SALLE COUNTY.

417 Pool, H. N.	Sept. 20, 1881	Eastville	18 Illinois	6 years..
698 Adams, A. W.	Sept. 20, 1881	LaSalle	20 ..	2 yrs. 7 mo.
1045 Murray, T.	Oct. 6, 1881	Leland	22 ..	17 years..
36 Cassie, L. P.	Aug. 11, 1881	..	22 Scotland	8 ..
319 Wood, F. W.	Aug. 19, 1881	Posant	18 Illinois	All life..
639 Hastings, J. H.	Sept. 20, 1881	Menota	35 Ohio	4 years..
499 Schulz, John	Sept. 20, 1881	..	28 Germany	6 ..
1026 Price, Charles	Oct. 6, 1881	Ottawa	24 Illinois	2 ..
1037 Haebertie, J. G.	Oct. 6, 1881	..	21 ..	2 ..
402 Hills, C. E.	Sept. 20, 1881	..	43 Connecticut	14 ..
469 Lutz, C. J.	Sept. 20, 1881	..	23 Illinois	8 ..
772 Nadler, Wm.	Sept. 20, 1881	..	26 Penn.	10 ..
463 Xentzer, George W.	Sept. 20, 1881	..	30 ..	10 ..
640 Franseau, J. W.	Sept. 20, 1881	Ransom	27 ..	11 ..
1117 Jones, H. W.	Dec. 14, 1881	Ottawa	21 Illinois	5 ..
383 Groswell, C. E.	Sept. 20, 1881	Streator	22 ..	3 ..
10 Minor, E. G.	Aug. 11, 1881	..	25 ..	9 ..
906 Minor, James W.	Oct. 4, 1881	..	53 ..	8 ..
950 Blanchard, A. G.	Oct. 5, 1881	..	39 ..	7 ..
104 Springer, T. N.	Aug. 17, 1881	Sheridan	..	..

LEE COUNTY.

1010 Anderson, J. W.	Oct. 6, 1881	Dixon	58 Penn	2 years..
582 Ellicott, I. E.	Sept. 20, 1881	..	37 New York	10 ..
591 Hayden, D. F.	Sept. 20, 1881	..	26 ..	8 ..
1055 Hazlins, A. N.	Oct. 6, 1881	..	19 Illinois	4 ..
114 Lips, Mary P.	Aug. 17, 1881	Franklin Grove	29 Maryland	2 ..
25 Pratt, W. A.	Aug. 11, 1881	Paw Paw	20 Illinois	2 ..

LIVINGSTON COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
257	Norton, Thomas A.	Aug. 18, 1881	Blackstone.	30	Mass.	.....	7 years.
723	Seymour, Mary D.	Sept. 20, 1881	Dwight.	34	Canada.	.....	14 "
450	Stafford, W. M.	Sept. 20, 1881	.....	21	Illinois.	.....	2 yr. 7 mo.
834	Wade, Wm. C.	Sept. 20, 1881	Fairbury.	18	.....	.....	2 years.
847	Duckett, F.	Sept. 20, 1881	.....	40	England.	.....	14 "
116	McGregor, B.	Aug. 17, 1881	Pontiac.	23	Illinois.	.....	12 "
593	Norton, A. C.	Sept. 20, 1881	.....	22	.....	.....	5 "
117	Murphy, John S.	Aug. 17, 1881	"	26	Canada.	.....	9 "
892	Miller, R. M.	Oct. 4, 1881	"	30	Illinois.	.....	2½ "

LOGAN COUNTY.

144	Angell, C. F.	Aug. 17, 1881	Atlanta.	47	R. Island.	.....	10 years.
133	Jones, Charles A.	Aug. 11, 1881	"	23	Illinois.	.....	4 "
173	Jones, W. L.	Aug. 17, 1881	"	50	New York.	.....	15 "
239	George, R. W.	Aug. 18, 1881	Lincoln.	28	Ohio.	.....	8 "
857	Head, John H.	Sept. 20, 1881	.....	31	Indiana.	.....	8 yr. 9 mo.
146	Seyfer, John W.	Aug. 17, 1881	Mount Pulaski.	36	Germany.	.....	15 years.

McDONOUGH COUNTY.

72	Daniel, Wm B.	Aug. 11, 1881	Blandinsville.	30	Illinois.	.....	3 years.
383	McGown, J. C.	Sept. 20, 1881	Burnell.	43	Kentucky.	.....	3 "
277	Fields, R. B.	Aug. 18, 1881	Colchester.	31	Ohio.	.....	6 "
154	Ferry, C. F. Mrs.	Aug. 17, 1881	.....	28	Penn.	.....	3 "
546	Barnes, Geo. S.	Sept. 20, 1881	Prairie City.	21	Illinois.	.....	3 "
458	Burford, Caroline	Sept. 20, 1881	Tennessee.	33	"	.....	4 "
548	James, Jno. E.	Sept. 20, 1881	Good Hope.	23	"	.....	5 "
313	Pennywith, L. A.	Aug. 19, 1881	Macomb.	22	"	.....	5 "

MCHENRY COUNTY.

610 Merry, M. W.	Sept. 20, 1881	Harvard	19 Illinois	3 years
659 Puffer, E. C.	Sept. 20, 1881	"	19 "	3 "
190 Richardson, W.	Aug. 17, 1881	"	26 "	7 "
900 Beers, Chas. H.	Oct. 4, 1881	McHenry	24 "	6 "
350 Chapman, R. A.	Sept. 20, 1881	Marengo	46 New York	14 "
19 Patrick, F. A.	Aug. 11, 1881	"	23 Illinois	2 "
27 Schenck, M. H.	Aug. 11, 1881	Woodstock	21 Illinois	4 "

MCLEAN COUNTY.

68 Fleckenbeck, W. A.	Aug. 11, 1881	Bloomington	21 Germany	2 years
217 Haering, O. E.	Aug. 17, 1881	"	20 Wisconsin	5 "
1033 Haggard, F. P.	Oct. 6, 1881	"	18 Illinois	2 "
878 Kitchell, A. M.	Oct. 4, 1881	"	26 "	6 "
143 Plumley, N. C.	Aug. 17, 1881	"	27 Penn.	8 "
673 Reinhardt, W. A.	Sept. 20, 1881	"	22 Illinois	4 "
831 Green, M. A.	Sept. 20, 1881	Colfax	37 Indiana	6 "
869 Robb, Hugh	Sept. 20, 1881	Heyworth	35 Illinois	2 "
270 Shelton, Jos.	Aug. 18, 1881	"	21 Tenn.	3 "
156 Buckworth, D. L.	Aug. 17, 1881	Leroy	21 Illinois	9 "
904 Ross, John R.	Oct. 4, 1881	"	35 Ohio	9 "
268 Mace, John A.	Aug. 18, 1881	Raybrook	27 Penn.	5 "
159 Howard, Chas. L.	Aug. 17, 1881	Towanda	21 Illinois	7 "

MACON COUNTY.

871 Brown, Wm. J.	Sept. 23, 1881	Decatur	54 Kentucky	20 years
1096 Hildebrand, Theo	Dec. 14, 1881	"	45 Germany	30 "
711 Krome, N. J.	Sept. 20, 1881	"	40 Penn.	20 "
471 Prestley, J. P.	Sept. 20, 1881	"	21 Illinois	3 "
722 Sterling, J. H.	Sept. 20, 1881	Maroa	28 Ohio	2 "
81 Wysong, J. D.	Aug. 11, 1881	"	40 "	2 "
823 Pritchett, Wm	Sept. 20, 1881	Niantic	20 Kentucky	2 1/2 "
245 Kitch, J. F.	Aug. 18, 1881	"	19 Illinois	3 1/2 "

MACOUPIN COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
161	Dickerson, L. M.	Aug. 17, 1881	Brighton	18	Illinois	.....	6 years.
905	Duby, Louis	Oct. 4, 1881	Bunker Hill	23	Missouri	.....	8
447	Krauth, E. W.	Sept. 20, 1881	"	33	Germany	.....	27
223	Metcalfe, C. H.	Aug. 17, 1881	Gard	25	Illinois	.....	5
6	Hunter, E.	Aug. 11, 1881	Madora	30	"	.....	4
446	Hunter, E.	Sept. 20, 1881	Station	28	Iowa	.....	11
448	Hier, D. I.	Sept. 20, 1881	"	28	Penn.	.....	12
38	George, A. V.	Aug. 17, 1881	"	22	Iowa	.....	4
236	Woods, Geo. B.	Aug. 17, 1881	Gard	41	Illinois	.....	10
327	Feely, Wm	Sept. 20, 1881	Scottville	32	Missouri	.....	3

MADISON COUNTY.

1015	Berry, J. M.	Oct. 6, 1881	Alton	28	Ohio	.....	11 years.
1019	Davis, O. L.	Oct. 6, 1881	"	18	Illinois	.....	3
294	Marsh, Geo. E.	Aug. 18, 1881	"	19	"	.....	2
293	Shanklin, R. N.	Aug. 18, 1881	"	26	"	.....	10
1059	Wass, Samuel Jr.	Oct. 6, 1881	"	23	"	.....	3
603	Schleifer, J.	Sept. 20, 1881	St. Jacob	18	"	.....	2

MARION COUNTY.

764	Evans, Wm. R.	Sept. 20, 1881	Centralls	28	Illinois	.....	3 years.
1053	Saxe, A. E.	Oct. 6, 1881	"	21	Ohio	.....	2

MARSHALL COUNTY.

388	Niece, H. J.	Sept. 20, 1881	Henry	18	Indiana	.....	3 years.
279	Reeder, H.	Aug. 18, 1881	"	19	Illinois	.....	4
1000	Saylor, John H.	Oct. 5, 1881	"	32	Penn.	.....	18
331	Warrons, Eugene	Sept. 20, 1881	Lacon	23	Connecticut	.....	3
530	Wilson, C. N.	Sept. 20, 1881	"	19	Illinois	.....	2
1110	Sherwood, Louisa F.	Dec. 14, 1881	LaRose	37	Indiana	.....	11
565	Herman, O. O.	Sept. 20, 1881	Varna	21	Illinois	.....	5

MASON COUNTY.

175 Cheek, I. I.	Aug. 17, 1881	Havana	27 Illinois	7 years
197 Schulte, J. H.	Oct. 5, 1881		27 New York	3 "
103 Linbarger, F. A.	Dec. 17, 1881	San Jose	27 Penn.	3 "
104 Dietrich, W. E.	Aug. 17, 1881	Mason City	27 Penn.	5 "
923 Glass, C. E.	Oct. 5, 1881		27 Illinois	14 "

MASSAC COUNTY.

554 Walsh, Wm. E.	Sept. 20, 1881	Metropolis City	20 Illinois	3 years
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MENARD COUNTY.

101 Smith, B. A.	Aug. 17, 1881	Athens	20 Illinois	5 years
316 Fisher, E. C.	Aug. 19, 1881	Petersburg	23 "	3 "
933 Ott, Jesse M.	Oct. 5, 1881		26 "	2 "

MERCER COUNTY.

199 Lloyd, O. H.	Aug. 17, 1881	Keithsburg	31 Illinois	10 years
18 McMannus, J. D.	Aug. 11, 1881		19 "	3 "
780 Brown, S. A.	Sept. 20, 1881	North Henderson	31 "	6 "
58 McEuen, J. W.	Aug. 11, 1881	Preemption	18 "	2 yrs 1 mo.

MONROE COUNTY.

461 Lambrecht, A.	Sept. 20, 1881	Columbia	18 Germany	2 years
1116 Baumer, Charlotte	Dec. 14, 1881	Hecker	29 New York	7 "

MONTGOMERY COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
883	Marks, John W.	Sept. 20, 1881	Irving.	30	Penn.	.....	3 years..
884	Minor, M. M.	Aug. 11, 1881	Litchfield.	27	Illinois	.....	4 " "
885	Richardson, J. P.	Sept. 20, 1881	.....	27	Kentucky	.....	3 " "
886	Schaper, Geo. H.	Oct. 5, 1881	Nokome.	20	Illinois	.....	6 " "
892	Hilden, Geo. A.	Oct. 5, 1881	Raymond.	19	.....	.....	6 " "

MORGAN COUNTY.

1124	Coddling, M. B.	Dec. 14, 1881	Jacksonville	23	Missouri	.....	5 years..
457	Dunlap, C.	Sept. 20, 1881	.....	36	Illinois	.....	18 " "
964	Engel, Philip	Oct. 5, 1881	.....	23	Germany	.....	10 " "
108	Sanders, Geo. F.	Aug. 17, 1881	Murrayville	25	.....	.....	2 " "
555	Reagel, A. W.	Sept. 20, 1881	Waverly	25	Penn.	.....	2½ " "

MOULTRIE COUNTY.

415	Blain, F. J.	Sept. 20, 1881	Lake City.	38	Indiana	.....	5 years..
426	Pfifer, Chas.	Sept. 20, 1881	Lovington	20	Illinois	.....	2 " "
867	Ogle, B. F.	Sept. 20, 1881	Sullivan	21	.....	.....	6 " "

OGLE COUNTY.

393	White, E. H.	Sept. 20, 1881	Creston.	22	Illinois	.....	3 years..
180	Reichenbach, Wm. D.	Aug. 17, 1881	Adeline.	25	"	.....	8 " "
925	Haller, E. E.	Oct. 5, 1881	Forreston	23	"	.....	7 " "
1032	Haller, Theo. F.	Oct. 6, 1881	"	26	"	.....	12 " "
420	Pfyer, C. O.	Sept. 20, 1881	.....	26	Penn.	.....	8 " "
1120	Jewett, H.	Dec. 14, 1881	Oregon	72	N. Hamp.	.....	35 " "
688	Middlekauff, W. L.	Sept. 20, 1881	.....	22	Illinois	.....	3 " "
1076	Clark, F. W.	Oct. 12, 1881	Rochelle.	20	"	.....	4 " "
593	Butterfield, S. O.	Sept. 20, 1881	Mt. Morris.	25	"	.....	5 " "
794	Brayton, F. B.	Sept. 20, 1881	Mt. Morris.	63	New York	.....	9 " "

PEORIA COUNTY.

825 Fisk, E. D.	Sept. 20, 1881	Brimsfield	23 Illinois	3 years
570 Vandervoort, A. A.	Sept. 20, 1881	Elmwood	19 Canada	2
424 Bruggemann, J. H.	Sept. 20, 1881	Peoria	47 Germany	30
633 Durkin, James	Sept. 20, 1881	"	20 Illinois	5
759 Niehaus, F. W. C.	Sept. 20, 1881	"	"	5
737 Ossenbeck, E. A.	Sept. 20, 1881	"	18 "	5
470 Overman, Urban	Sept. 20, 1881	"	21 "	4
1050 Schuler, J. L.	Oct. 6, 1881	"	23 "	5
888 Vonachen, F. H.	Oct. 6, 1881	Princetonville	23 "	2
29 Bliss, John F.	Aug. 11, 1881	"	23 "	4
516 Couch, E. H. D.	Sept. 20, 1881	Sandwich	22 "	6

PERRY COUNTY.

41 Palmer, Julian S.	Aug. 11, 1881	Du Quoin	18 Illinois	4 years
700 Edel, Frank	Sept. 20, 1881	Phokneyville	23 Penn.	5

PIATT COUNTY.

1106 Cox, S. W.	Dec. 14, 1881	Bement	46 Ohio	4 years
748 Dill, J. H. O. Jr.	Sept. 20, 1881	"	29 Illinois	2 1/2
88 Moon, Wm. B.	Aug. 11, 1881	Cerro Gordo	26 Indiana	2
637 Pease, M. L.	Sept. 20, 1881	Cisco	27 New York	2
634 Palmer, Dow	Sept. 20, 1881	Monticello	36 "	9

PIKE COUNTY.

233 Slisk, Wm. T.	Aug. 17, 1881	Griggsville	45 Virginia	10 years
303 Grimes, Eli	Aug. 19, 1881	Milton	38 Illinois	2
132 Brewer, Jas. D.	Aug. 17, 1881	Perry	32 New Jersey	9
209 Foreman, E.	Aug. 17, 1881	Pittsfield	44 Indiana	7 1/2
663 Goble, R. R.	Sept. 20, 1881	"	48 New York	9

POPE COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
1114	King, Geo	Dec. 14, 1881	Rosebud	27	Illinois		8 years.

PULASKI COUNTY.

150	Edson, Katherine H.	Aug. 17, 1881	Villa Ridge	59	Illinois		11 years.
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PUTNAM COUNTY.

419	Noxon, Wm. G.	Sept. 20, 1881	Hennepin	30	Maryland		6 years.
828	Cook, E. L.	Sept. 20, 1881	Snachwine	58	New York		2 "

RANDOLPH COUNTY.

624	Rhodes, H. A.	Sept. 20, 1881	Baldwin	33	Wisconsin		4 years.
853	Harkness, Jas. J.	Sept. 20, 1881	Chester	38	Illinois		4 "
185	Land, D.	Sept. 20, 1881	"	32	Ireland		7 "
423	Miller, William	Sept. 20, 1881	"	32	Illinois		4 "
123	Morrison, L. W.	Aug. 17, 1881	"	32	Illinois		14 "
1163	Hamilton, J. B.	Aug. 17, 1881	Rockwood	27	Indiana		3 "
312	Simmons, S. Z. T.	Dec. 15, 1881	"	34	Illinois		7 "

RICHLAND COUNTY.

1101 Gaffner, Robert.....	Dec. 14, 1881	Olney.....	20 Illinois.....	2 years..
143 Powell, M.....	Sept. 20, 1881	".....	32 ".....	8 ".....
370 Stamm, A. E.....	Sept. 23, 1881	".....	36 Germany ..	19 ".....

ROCK ISLAND COUNTY.

295 Martin, Wm. B.....	Aug. 18, 1881	Coal Valley.....	21 Illinois.....	6 years..
296 Martin, Thos. B.....	Aug. 18, 1881	".....	20 ".....	4 ".....
891 Balkam, S. L.....	Oct. 4, 1881	Rock Island.....	28 Maine.....	5 ".....
670 Helmbeck, A.....	Sept. 20, 1881	".....	20 Iowa.....	3 ".....
200 Swiler, John C.....	Aug. 17, 1881	".....	20 Illinois.....	5 ".....
449 Wolf, J. J.....	Sept. 20, 1881	Moline.....	19 ".....	3 ".....

ST. CLAIR COUNTY.

81 Barnickol, E. H.....	Aug. 11, 1881	Belleville.....	19 Illinois.....	2 years..
331 Homer, Louis.....	Sept. 20, 1881	".....	23 ".....	6 ".....
96 Moses, Fred.....	Aug. 17, 1881	".....	18 ".....	3 ".....
880 Ludwig, G. E.....	Sept. 20, 1881	".....	25 Missouri.....	8 ".....

SALINE COUNTY.

455 Goe, E. P.....	Sept. 20, 1881	Bolton.....	20 Illinois.....	2½ years.
1039 Jones, R. P.....	Oct. 6, 1881	Galatia.....	22 ".....	3 ".....

SANGAMON COUNTY.

Number of certificate.	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
602	Brownell, Wm	Sept. 20, 1881	Auburn	58	Illinois		12 years
21	McInnes, F. C.	Aug. 11, 1881		20	"		"
171	Saylor, A. O.	Aug. 17, 1881	Loami	19	"		2
249	Brownback, H. O.	Aug. 18, 1881	Pleasant Plains	18	"		5
879	Roberts, J. L.	Oct. 4, 1881		21	"		3
70	Brown, J. H.	Aug. 11, 1881	Springfield	19	"		2
111	Cobbs, John W.	Aug. 17, 1881		26	"		4
504	Conant, John B.	Sept. 20, 1881		21	"		"
260	Davenport, R. E.	Aug. 18, 1881		32	Virginia		6
537	Fisher, J. W.	Sept. 20, 1881		37	Penn.		11
367	Kilner, W. B.	Sept. 20, 1881		36	England		13
399	Laugeman, W. L.	Sept. 20, 1881		24	Illinois		23
123	Latham, A. R.	Aug. 17, 1881		39	N. Hamp.		10
112	Rapp, C. G.	Aug. 17, 1881		20	Germany		8
388	Smith, Geo. O.	Sept. 20, 1881		39	Connecticut		4
682	Sprague, H. H.	Sept. 20, 1881		18	Illinois		15
							4

SCHUYLER COUNTY.

506	Prentiss, S. S.	Sept. 20, 1881	Rushville	28	Ohio		6 years
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SCOTT COUNTY.

76	York, M. A.	Aug. 11, 1881	Glasgow	20	Indiana		2 years
210	Frost, C. R.	Aug. 17, 1881	Winchester	24	Missouri		7
92	Frost, J. W.	Aug. 17, 1881	"	21	Illinois		4
91	Frost, R. W.	Aug. 17, 1881		23	"		6

SHELBY COUNTY.

1025 Frost, Mrs. Jane	Oct. 6, 1881 Sigel	38 Indiana	10 years..
31 Kiser, C. W.	Aug. 11, 1881 Moawqua	22 Illinois	9

STARK COUNTY.

818 Plummer, W. P.	Sept. 20, 1881 Bradford	31 Maine	3 years..
842 Rowland, T. H.	Sept. 20, 1881	26 England	10
350 Conover, C. S.	Sept. 20, 1881 Toulon	21 New Jersey	4
138 Harrington, C. E.	Aug. 17, 1881	38 New York	14
14 Emery, S. W.	Aug. 11, 1881 Wyoming	40 Illinois	3

STEPHENSON COUNTY.

856 Richard, Alma	Sept. 20, 1881 Cedarville	18 Illinois	2 years..
953 Chamberlin, G. S.	Oct. 5, 1881 Freeport	48 Penn.	7
462 Froning, C.	Sept. 20, 1881	23 Illinois	Since boy.
56 Metz, Robert	Aug. 11, 1881 Lena	19 Wisconsin	3 years..

TAEWELL COUNTY.

30 Trowbridge, W. H.	Aug. 11, 1881 Green Valley	21 Illinois	2 years..
812 Arnold, H. C.	Sept. 20, 1881 Washington	20	3

UNION COUNTY.

575 Bussey, H. F.	Sept. 20, 1881 Anna	29 Missouri	3 1/2 years.
992 Henkel, S. A.	Oct. 4, 1881	23 New Jersey	3
107 Watkins, Geo. T.	Aug. 17, 1881 Jonesboro	19 Illinois	6

WASHINGTON COUNTY.

710 Dickerman, G. F.	Sept. 20, 1881	Cookeville	38 Indiana	10 years
828 Foster, Mary V.	Sept. 20, 1881	DuBois	41 Illinois	5
886 Jones, C. A.	Sept. 20, 1881	Nashville	22 "	2
1099 Sandmeyer, H. W.	Dec. 14, 1881	Richview	23 "	4
238 Maury, Jas.	Aug. 17, 1881	Richview	25 Kentucky	6 1/2

WAYNE COUNTY.

635 Jacobson, C. M.	Sept. 20, 1881	Wayne City	51 Germany	3 years
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WHITE COUNTY.

1018 Dale, H.	Oct.	Carmel	24 Indiana	4 years
1051 Stewart, F. L.	Oct.	"	27 Illinois	7
1046 Prouditt, A. P.	Oct.	Enfield	21 Ohio	2
951 Bailey, Geo. A.	Oct.	Grayville	38 Penn.	16
445 Jennings, W. E.	Sept. 20, 1881	Norris City	31 Illinois	3
928 Langford, J. R.	Oct.	"	21 "	4

WHITESIDE COUNTY.

404 Chamberlin, W. A.	Sept. 20, 1881	Albany	58 Vermont	16 years
623 Allen, Lydia M.	Sept. 20, 1881	Penton Center	38 Illinois	2
590 Peters, Leopold.	Sept. 20, 1881	Penton	41 Iowa	2
847 Congrat, E.	Sept. 20, 1881	Morrison	43 New York	2
840 Fitzgerald, F.	Sept. 20, 1881	"	25 "	2
138 Kenfield, G. H.	Aug. 17, 1881	"	25 "	2
1014 Bickford, V. A.	Oct.	Rock Falls	60 "	2
889 Myers, B. F.	Oct. 4, 1881	"	39 Penn.	9 1/2

WILL COUNTY.

Number of certificate	Name.	When Registered.	Residence and Postoffice.	Age.	Nativity.	Why Registered.	Years experience.
861	Hoffman, Wm.	Sept. 20, 1881	Braidwood	21	Illinois	.....	6 years..
311	Bray, M. J.	Aug. 19, 1881	Joliet	48	Ireland	.....	16 "
566	Brown, E. C.	Sept. 20, 1881	"	18	Illinois	.....	3 "
196	Duetselen, H. H.	Aug. 17, 1881	"	35	Germany	.....	15 "
290	Duetselen, Max.	Aug. 18, 1881	"	32	"	.....	10 "
43	Horn, Nicholas	Aug. 11, 1881	"	19	Illinois	.....	8 "
353	Sauer, Henry	Aug. 19, 1881	"	18	"	.....	3 "
509	Walsh, H. H.	Sept. 20, 1881	Lockport	19	Wisconsin	.....	2 "

WILLIAMSON COUNTY.

708	Bundy, S. H., Jr.	Sept. 20, 1881	Cartersville	21	Illinois	.....	4 years..
731	Renson, A. J.	Sept. 20, 1881	Marion	26	"	.....	7 "
106	Bundy, Wm. H.	Aug. 17, 1881	"	34	Tennessee	.....	3 "
127	Vick, Josiah	Aug. 17, 1881	"	25	Illinois	.....	7 "

WINNEBAGO COUNTY.

298	Switz, Frank	Aug. 17, 1881	Cherry Valley	28	New York	.....	6 years..
306	Day, A. W.	Aug. 19, 1881	Pecatonica	21	Illinois	.....	5 "
571	Greenwood, S. J.	Oct. 5, 1881	"	32	New York	.....	40 "
619	Caswell, S. J.	Sept. 20, 1881	Rockford	31	Nam.	.....	11 "
767	Hirst, Thos. H.	Sept. 20, 1881	"	33	New York	.....	6 "
170	McArthur, F. H.	Sept. 20, 1881	"	24	Illinois	.....	6 "
1084	McDaniel, W. R.	Dec. 14, 1881	"	33	"	.....	4 yr. 10 mo
666	Puffer, F. M.	Sept. 20, 1881	"	26	Wisconsin	.....	18 years..
1083	Worthington, F. H.	Sept. 6, 1881	"	24	Penn.	.....	5 "
255	Cori, J. O.	Aug. 18, 1881	Winnebago	23	"	.....	3 "
501	Mercer, Wm. A.	Sept. 20, 1881	"	39	Illinois	.....	10 "

WOODFORD COUNTY.

118 Learned, F. E.	Sept. 20, 1881	Benson	19 Illinois	8 years..
235 Meyer, Peter	Aug. 12, 1881	Chasnovia	25 Iowa	10 "
746 Schuurman, C.	Sept. 20, 1881	El Paso	22 Germany	8 "
231 Thompson, Jas.	Aug. 17, 1881	Eureka	53 New York	18 "
1032 Trumpf, F. B.	Oct. 6, 1881	Eureka	19 Illinois	8 "
206 McGinnis, C. O.	Aug. 17, 1881	Metamora	22 Illinois	3 "
1075 Enyart, D. C.	Oct. 12, 1881	Secor	40 Ohio	4 "
1016 Cushing, A. M.	Oct. 6, 1881	Minonk	23 Illinois	16 "
				3 1/2 "

POPULATION OF TOWNS.

Town.	County.	Pop.	Town.	County.	Pop.
ABINGDON.....	Knox.....	1,639	Beason.....	Logan.....	121
Adair.....	McDonough.....	133	Beecher.....	Will.....	460
Adeline.....	Ogle.....	196	Beecher City.....	Effingham.....	70
Adrian.....	Hancock.....	153	Belknap.....	Johnson.....	100
Albany.....	Whiteside.....	700	Belkira.....	Crawford.....	72
Albion.....	Edwards.....	875	Belleflower.....	McLean.....	216
Aledo.....	Mercer.....	1,610	Belle River.....	Jefferson.....	200
Alexis.....	Warren.....	900	Bellevue.....	Calhoun.....	52
Algonquin.....	McHenry.....	590	Belleville.....	St. Clair.....	13,682
Alhambra.....	Madison.....	108	Belmont.....	Wabash.....	350
Allendale.....	Wabash.....	500	Belvidere.....	Boone.....	4,180
Allison.....	Lawrence.....	100	Bement.....	Platt.....	1,500
Alpha.....	Henry.....	230	Benson.....	Woodford.....	287
Altamont.....	Effingham.....	654	Bentley.....	Hancock.....	117
Alton.....	Madison.....	9,000	Benton.....	Franklin.....	984
Altona.....	Knox.....	1,080	Berlin.....	Sangamon.....	287
Auto Pass.....	Union.....	400	Bernadotte.....	Fulton.....	225
Amboy.....	Lee.....	3,390	Berwick.....	Warren.....	102
Andalusia.....	Rock Island.....	501	Bethalto.....	Madison.....	628
Anna.....	Union.....	1,494	Bethany.....	Moultrie.....	200
Annapolis.....	Crawford.....	112	Biggsville.....	Henderson.....	520
Annewan.....	Henry.....	396	Big Rock.....	Kane.....	125
Apple River.....	JoDavies.....	820	Bismarck.....	Vermilion.....	133
Arcola.....	Douglas.....	1,575	Blackberry.....	Kane.....	1,000
Arenzville.....	Cass.....	379	Blackstone.....	Livingston.....	85
Arlington.....	Bureau.....	447	Blandinsville.....	McDonough.....	1,200
Arlington Heights.....	Cook.....	995	Bloomington.....	McLean.....	17,184
Armington.....	Tazewell.....	129	Blue Island.....	Cook.....	2,000
Armstrong.....	Vermilion.....	80	Blue Mound.....	Macon.....	532
Arrowsmith.....	McLean.....	278	Bluff City.....	Schuyler.....	93
Arthur.....	Moultrie.....	241	Bluffs.....	Scott.....	162
Ash Grove.....	Iroquois.....	175	Bone Gap.....	Edwards.....	100
Ashkum.....	Iroquois.....	345	Braceville.....	Grundy.....	470
Ashland.....	Cass.....	609	Bowensburg.....	Hancock.....	289
Ashley.....	Washington.....	1,480	Bradford.....	Stark.....	590
Ashmore.....	Coles.....	725	Braidwood.....	Will.....	5,524
Ashton.....	Lee.....	1,000	Breeze.....	Clinton.....	925
Assumption.....	Christian.....	706	Bridgeport.....	Lawrence.....	625
Astoria.....	Fulton.....	1,280	Brighton.....	Macoupin.....	1,100
Athens.....	Menard.....	410	Brimfield.....	Peoria.....	1,100
Athensville.....	Greene.....	145	Bristol.....	Kendall.....	1,255
Atkinson.....	Henry.....	504	Brooklyn.....	Schuyler.....	136
Atlanta.....	Logan.....	1,400	Brownston.....	Fayette.....	121
Atwood.....	Douglas.....	212	Bryant.....	Fulton.....	449
Auburn.....	Sangamon.....	1,280	Buckingham.....	Kankakee.....	135
Augusta.....	Hancock.....	1,500	Buckley.....	Iroquois.....	600
Aurora.....	Kane.....	11,375	Buda.....	Bureau.....	1,020
Austin.....	Cook.....	1,359	Buffalo.....	Sangamon.....	338
Ava.....	Jackson.....	520	Bunker Hill.....	Macoupin.....	1,411
Aviston.....	Clinton.....	429	Bushnell.....	McDonough.....	3,525
Avon.....	Fulton.....	800	Butler.....	Montgomery.....	387
			Byerton.....	Calhoun.....	
BAILEYVILLE.....	Ogle.....	208	Byron.....	Ogle.....	680
Baldwin.....	Randolph.....	271			
Bardolph.....	McDonough.....	409	CABERY.....	Ford.....	114
Barrington.....	Cook.....	800	Cable.....	Mercer.....	572
Barr's Store.....	Macoupin.....	50	Calro.....	Alexander.....	10,000
Barry.....	Pike.....	2,000	Cambridge.....	Henry.....	2,200
Basco.....	Hancock.....	200	Camden.....	Schuyler.....	184
Batsavia.....	Kane.....	3,300	Cameron.....	Warren.....	231
Bath.....	Mason.....	500	Campbell Hill.....	Jackson.....	214
Baylis.....	Pike.....	160	Camp Point.....	Adams.....	1,400
Beardstown.....	Cass.....	3,136	Canton.....	Fulton.....	3,766

Population of Towns—Continued.

Town.	County.	Pop.	Town.	County.	Pop.
Capron	Boone	323	Danvers	McLean	469
Carbondale	Jackson	2,500	Danville	Vermillion	10,000
Carlinville	Macoupin	3,800	Davis	Stephenson	625
Carlyle	Clinton	2,250	Decatur	Macon	18,000
Carman	Henderson	198	Deer Creek	Tazewell	35
Carmi	White	2,250	DeKalb	DeKalb	2,200
Carrier Mills	Saline	150	Deland	Platt	200
Carrollton	Greene	2,100	Delavan	Tazewell	2,200
Cartersville	Williamson	692	Dennison	Clark	198
Carthage	Hancock	1,594	DeSoto	Jackson	590
Casey	Clark	925	Des Plaines	Cook	818
Caseyville	St. Clair	900	Detroit	Pike	168
Castleton	Stark	149	Dewey	Champaign	34
Catlin	Vermillion	387	DeWitt	DeWitt	675
Cave-in-Rock	Hardin	195	Diona	Coles	80
Cedarville	Stephenson	403	Disco	Hancock	100
Centralia	Marion	5,000	Dix	Jefferson	150
Central Park	Cook	903	Dixon	Lee	5,500
Cerro Gordo	Platt	1,000	Dongola	Union	599
Chambersburg	Pike	208	Donovan	Iroquois	176
Champaign	Champaign	7,100	Downers Grove	DuPage	925
Chandlerville	Cass	850	Downs	McLean	175
Channahon	Will.	334	DuBois	Washington	400
Chapin	Morgan	400	Dudley	Edgar	225
Charleston	Coles	3,200	Dundee	Kane	2,890
Chatham	Sangamon	454	DuQuoin	Perry	3,500
Chatsworth	Livingston	1,200	Durand Station	Winnebago	800
Chauncey	Lawrence	40	Dwight	Livingston	1,295
Chobense	Iroquois	1,150			
Chemung	McHenry	300	EARLVILLE	LaSalle	1,900
Chenoa	McLean	2,100	East Carondelet	St. Clair	386
Cherry Valley	Winnebago	620	East Dubuque	Jo Daviess	1,200
Chester	Randolph	3,500	East Lynn	Vermillion	220
Chesterfield	Macoupin	175	Easton	Mason	680
Chicago	Cook	650,000	East St. Louis	St. Clair	1,200
Chillicothe	Peoria	936	Edgewood	Effingham	680
Chrisman	Edgar	541	Edgington	Rock Island	881
Cisco	Platt	173	Edinburg	Christian	700
Cisne	Wayne	185	Edwardsville	Madison	2,889
Claremont	Richland	480	Effingham	Effingham	4,000
Clarksville	Clark	79	Elco	Alexander	125
Clay City	Clay	1,000	Eldara	Pike	307
Clayton	Adams	1,500	El Dorado	Saline	800
Clement	Clinton	345	Elgin	Kane	9,000
Clinton	DeWitt	2,800	Eliza	Mercer	20
Coal City	Grundy	568	Elizabeth	Jo Daviess	507
Coal Valley	Rock Island	2,400	Elizabethtown	Hardin	484
Coatsburg	Adams	500	Elkhart	Logan	460
Cobden	Union	960	Elliott	Ford	172
Colchester	McDonough	2,200	Ellis Grove	Randolph	250
Colehour	Cook	1,998	Ellisville	Fulton	260
Colera	Whiteside	183	Elmwood	Peoria	1,525
Collinsville	Madison	2,889	El Paso	Woodford	2,500
Colona Station	Henry	300	Elmhurst	Jersey	250
Columbia	Monroe	2,308	Elmwood	Hancock	294
Compton	Lee	300	Elmwood	Will.	406
Cordova	Rock Island	580	Emden	Logan	143
Cornell	Livingston	437	Emington	Livingston	135
Cornland	Logan	100	Enfield	White	787
Cortland	DeKalb	953	Englewood	Cook	4,000
Coulterville	Randolph	1,075	Equality	Gallatin	850
Cowden	Shelby	351	Erie	Whiteside	670
Crab Orchard	Williamson	114	Essex	Kankakee	75
Crescent City	Iroquois	225	Eureka	Woodford	1,185
Creston	Will.	364	Evanston	Cook	6,000
Crete	Will.	539	Evanston	Randolph	321
Cropey	McLean	75	Ewing	Franklin	170
Crossville	White	162	Exeter	Scott	291
Crystal Lake	McHenry	546			
Cuba	Fulton	656	FAIRBURY	Livingston	3,500
Cullom	Livingston	150	Fairfield	Wayne	1,392
			Fairmount	Vermillion	503
DAHLGREN	Hamilton	205	Fairview	Fulton	800
Dakota	Stephenson	157	Fairweather	Adams	140
Dallas City	Hancock	117	Farina	Fayette	778
Dalton City	Montrie	280	Farmer City	DeWitt	1,089
Dana	LaSalle	156	Farmington	Fulton	1,290
Danforth	Iroquois	207	Fayetteville	St. Clair	420

Population of Towns—Continued.

Town.	County.	Pop.	Town.	County.	Pop.
Fenton Center...	Whiteside	91	Henry...	Marshall	2,360
Ferris...	Hancock	320	Herscher...	Kankakee	103
Fieldon...	Jersey	298	Heyworth...	McLean	835
Fillmore...	Montgomery	150	Highland...	Madison	1,600
Fisher...	Champaign	188	Highland Park...	Lake	1,300
Fithian...	Vermilion	165	Hillsboro...	Montgomery	2,120
Flat Rock...	Crawford	140	Hinckley...	DeKalb	500
Flora...	Clay	1,600	Hinesborough...	Douglas	98
Foosland...	Champaign	109	Hinsdale...	DuPage	819
Forest...	Livingston	620	Hodge's Park...	Alexander	290
Forest City...	Mason	275	Homer...	Champaign	1,210
Forreston...	Ogle	1,355	Hoopeston...	Vermilion	1,650
Forsythe...	Macon	152	Hopedale...	Tazewell	400
Fountain Green...	Hancock	125	Hudson...	McLean	438
Fowler...	Adams	164	Humboldt Park...	Cook	656
Frankfort...	Franklin	196	Humboldt...	Coles	237
Franklin...	Morgan	316	Hume...	Edgar	179
Franklin Grove...	Lee	730	Huntley Grove...	McHenry	643
Freeburgh...	St. Clair	1,040	Hunt's City...	Jasper	100
Freedom...	LaSalle	125	Huntsville...	Schuyler	99
Freeland...	DeKalb	65	Hutsonville...	Crawford	419
Freeport...	Stephenson	8,516	Hyde Park...	Cook	6,100
Friendsville...	Wabash	183	Hoyleton...	Washington	312
Fulton...	Whiteside	3,500	ILLIOPOLIS...	Sangamon	500
GALENA...	JoDavless	6,454	Indianola...	Vermilion	1,613
Galesburg...	Knox	11,446	Industry...	McDonough	366
Galatia...	Saline	674	Ingraham...	Clay	82
Galva...	Henry	2,149	Iola...	Clay	137
Garden Prairie...	Boone	140	Ipava...	Fulton	520
Gardner...	Grundy	1,500	Iroquois...	Iroquois	520
Garfield...	LaSalle	75	Irving...	Montgomery	559
Geneseo...	Henry	5,522	Isabel...	Edgar	106
Geneva...	Kane	2,170	Iuka...	Marion	315
Genoa...	DeKalb	485	Ivesdale...	Champaign	235
Georgetown...	Vermilion	340	JACKSONVILLE...	Morgan	10,927
Germantown...	Clinton	500	Jefferson...	Cook	619
Gibson City...	Ford	1,500	Jeffersonville...	Wayne	239
Gifford...	Champaign	124	Jerseyville...	Jersey	3,600
Gillespie...	Macoupin	460	Jewett...	Cumberland	138
Gilman...	Iroquois	1,200	Johnsonville...	Wayne	155
Gilson...	Knox	182	Joliet...	Will	16,105
Girard...	Macoupin	1,300	Jonesborough...	Union	1,000
Glasford...	Peoria	154	Joppa...	Massac	100
Goldsboro...	Pope	1,000	Joy...	Mercer	87
Golden...	Adams	300	KANE...	Greene	690
Good Hope...	McDonough	325	Kankakee...	Kankakee	7,000
Gossett...	White	85	Kansas...	Edgar	1,050
Grafton...	Jersey	807	Karber's Ridge...	Hardin	115
Grand Crossing...	Cook	1,500	Kaskaskia...	Randolph	326
Grand Ridge...	LaSalle	135	Keensburg...	Wabash	68
Grand Tower...	Jackson	1,000	Kelthsburg...	Mercer	1,300
Grand View...	Edgar	205	Kenney...	DeWitt	300
Grant Park...	Kankakee	490	Kensington...	Cook	380
Granville...	Putnam	260	Kewanee...	Henry	3,100
Grayville...	White	1,200	Kinderhook...	Pike	500
Greenup...	Cumberland	1,200	Kilbourn...	Mason	141
Green Valley...	Tazewell	145	Kingston...	DeKalb	139
Greenview...	Menard	680	Kinmundy...	Marion	1,370
Greenville...	Bond	3,300	Kirkland...	DeKalb	175
Gridley...	McLean	600	Kirkwood...	Warren	1,390
Griggsville...	Pike	1,500	Knoxville...	Knox	2,070
HAMILTON...	Hancock	1,026	Kickapoo...	Peoria	360
Hamlet...	Mercer	72	LACON...	Marshall	2,300
Hammond...	Platt	200	LaFayette...	Stark	416
Hampshire...	Kane	620	LaGrange...	Cook	531
Hampton...	Rock Island	723	LaHarpe...	Hancock	1,100
Hanover...	JoDavless	459	Lake...	Cook	4,000
Hardin...	Calhoun	300	Lake Creek...	Williamson	100
Harmon...	Lee	238	Lake Forest...	Lake	1,300
Harri-burg...	Saline	960	Lakewood...	Shelby	72
Hartsburg...	Logan	188	Lamotte...	Bureau	483
Harvard...	McHenry	2,100	Lanark...	Carroll	1,000
Harvel...	Montgomery	247	LaPlace...	Platt	144
Havana...	Mason	2,208	LaPrairie...	Adams	353
Hazel Dell...	Cumberland	70			
Hennepin...	Putnam	623			

Population of Towns—Continued.

Town.	County.	Pop.	Town.	County.	Pop.
La Rose	Marshall.	170	Mill Creek	Union.	100
LaSalle	LaSalle.	9,500	Milledgeville	Carroll.	216
Latham	Logan.	251	Millstadt	St. Clair.	1,230
Laur	Jefferson.	50	Milton	Pike.	457
Lawrenceville	Lawrence.	800	Miner	Tazewell.	700
Lebanon	St. Clair.	2,200	Minook	Woodford.	2,370
Lee Center	Lee.	245	Minooka	Grundy.	480
Leland	LaSalle.	1,620	Moccasin	Effingham.	100
Lemont	Cook.	4,000	Mokena	Will.	800
Lena	Stephenson.	1,490	Moline	Rock Island.	10,000
Lenzburg	St. Clair.	1,150	Momence	Kankakee.	990
Leroy	McLean.	1,000	Monroe	Will.	1,120
Lewistown	Fulton.	1,771	Monroe	Peoria.	119
Lexington	McLean.	1,900	Monmouth	Warren.	6,000
Liberty	Adams.	218	Monticello	Platt.	1,600
Libertyville	Lake.	695	Morris	Grundy.	3,360
Lima	Adams.	250	Morrison	Whiteside.	2,370
Lincoln	Logan.	7,000	Morrisonville	Christian.	1,500
Lisbon	Kendall.	216	Morton	Tazewell.	580
Litchfield	Montgomery.	4,500	Mound City	Pulaski.	2,000
Littleton	Schuyler.	200	Mound Station	Brown.	500
Loami	Sangamon.	306	Mount Auburn	Christian.	207
Lockport	Will.	2,209	Mount Carmel	Wabash.	2,500
Loda	Iroquois.	490	Mount Carroll	Carroll.	1,786
London Mills	Fulton.	130	Mount Erie	Wayne.	294
Long Point	Livingston.	175	Mount Morris	Ogle.	1,200
Lorraine	Adams.	125	Mount Olive	Macoupin.	709
Lostant	LaSalle.	620	Mount Pulaski	Logan.	1,180
Louisville	Clay.	600	Mount Sterling	Brown.	2,000
Lovington	Moultrie.	870	Mount Vernon	Jefferson.	2,900
Ludlow	Champaign.	293	Moawequa	Shelby.	760
Lyndon	Whiteside.	557	Mulberry Grove	Bond.	512
Lynnvile	Morgan.	300	Mulkeytown	Franklin.	150
			Murphysboro	Jackson.	2,080
McDOWELL	Livingston.	100	Murrayville	Morgan.	580
McHenry	McHenry.	1,625			
McLean	McLean.	800	NAPERVILLE	DuPage.	2,074
McLeansboro	Hamilton.	900	Naples	Scott.	600
Macedonia	Hamilton.	150	Nashville	Washington.	1,770
Mackinaw	Tazewell.	600	Nauvoo	Hancock.	1,402
Macomb	McDonough.	3,700	Nebo	Pike.	136
Macon	Macon.	960	Neoga	Cumberland.	885
Magnolia	Putnam.	305	Neponset	Bureau.	875
Mahomet	Champaign.	650	Nevada	Livingston.	260
Makanda	Jackson.	425	Newark	Kendall.	442
Maiden	Bureau.	359	New Athens	St. Clair.	1,300
Malta	DeKalb.	900	New Bedford	Bureau.	55
Manchester	Scott.	800	New Berlin	Sangamon.	405
Mansfield	Platt.	300	New Boston	Mercer.	790
Manteno	Kankakee.	700	New Burnside	Johnson.	650
Maple Park	Kane.	410	New Canton	Pike.	424
Maquon	Knox.	600	New Columbia	Massac.	200
Marengo	McHenry.	1,860	New Douglas	Madison.	400
Marine	Madison.	775	New Grand Chain	Pulaski.	88
Marion	Williamson.	882	New Hebron	Crawford.	143
Marissa	St. Clair.	580	New Holland	Logan.	139
Maroa	Macon.	1,120	New Lennox	Will.	400
Marseilles	LaSalle.	2,000	New Liberty	Pope.	199
Marshall	Clark.	1,300	Newman	Douglas.	906
Martinsville	Clark.	1,500	New Memphis	Clinton.	275
Martinton	Iroquois.	142	New Salem	Pike.	175
Mascoutah	St. Clair.	3,000	Newton	Jasper.	1,100
Mason	Effingham.	621	New Windsor	Mercer.	500
Mason City	Mason.	2,200	Niantic	Macon.	500
Mattoon	Coles.	8,000	Nilwood	Macoupin.	300
Maywood	Cook.	716	Noble	Richland.	501
Mechanicsburg	Sangamon.	396	Nokomis	Montgomery.	1,080
Medora	Macoupin.	640	Normal	McLean.	2,520
Melvin	Ford.	160	Norris City	White.	500
Mendon	Adams.	467	North Alton	Madison.	838
Mendota	LaSalle.	4,142	North Henderson	Mercer.	176
Meredosia	Morgan.	750	Northville	LaSalle.	50
Metamora	Woodford.	1,100	Norway	LaSalle.	130
Metropolis	Massac.	2,668	Nunda	McHenry.	388
Middletown	Logan.	350			
Midland	De Witt.	102	OAKDALE	Washington.	131
Milan	Rock Island.	925	Oakford	Menard.	164
Milford	Iroquois.	820	Oak Grove	McLean.	46

Population of Towns—Continued.

Town.	County.	Pop.	Town.	County.	Pop.
Oakland	Coles	1,680	Pre-emption	Mercer	75
Oak Park	Cook	3,000	Princeton	Bureau	4,800
Oakwood	Vermilion	99	Princeville	Peoria	1,120
Oblong	Crawford	350	Prophetstown	Whiteside	660
Oconee	Shelby	259	Pulaski	Pulaski	250
Odell	Livingston	760	QUINCY	Adams	27,275
Odin	Marion	1,000			
O'Fallon Depot	St. Clair	1,000			
Ogden	Champaign	509	RALEIGH	Saline	220
Ohio	Bureau	385	Ramsey	Fayette	820
Ohlman	Montgomery	120	Rankin	Vermilion	480
Okawville	Washington	1,000	Ransom	LaSalle	132
Olena	Henderson	430	Rantoul	Champaign	920
Olmstead	Pulaski	57	Haritan	Henderson	125
Olney	Richland	4,000	Ravenswood	Cook	485
Omaha	Gallatin	187	Ray	Schuyler	109
Onarga	Iroquois	680	Raymond	Montgomery	543
Onelda	Knox	1,075	Red Bud	Randolph	1,200
Opdyke	Jefferson	150	Redmon	Edgar	71
Oquawka	Henderson	1,200	Renault	Monroe	148
Orangeville	Stephenson	327	Reynolds	Rock Island	192
Oreana	Macon	66	Richmond	McHenry	810
Oregon	Ogle	1,500	Richview	Washington	1,180
Orion	Henry	604	Ridge Farm	Vermilion	238
Oskaloosa	Clay	79	Ridgeway	Gallatin	174
Oswego	Kendall	820	Rinard	Wayne	70
Ottawa	LaSalle	9,000	Ripley	Brown	418
Owaneco	Christian	140	Riverside	Cook	790
PALATINE	Cook	1,560	Riverton	Sangamon	705
Palermo	Edgar	32	Roanoke	Woodford	250
Palestine	Crawford	735	Roberts	Ford	228
Palmer	Christian	364	Robinson	Crawford	1,500
Palmyra	Macoupin	222	Rochelle	Ogle	2,100
Pana	Christian	4,300	Rockbridge	Greene	202
Papineau	Iroquois	51	Rock Falls	Whiteside	1,590
Paris	Edgar	4,373	Rockford	Winnebago	18,000
Parkersburgh	Richland	480	Rock Grove	Stephenson	150
Park Ridge	Cook	457	Rock Island	Rock Island	13,000
Patoka	Marion	444	Rockport	Pike	204
Pawnee	Sangamon	192	Rockton	Winnebago	1,000
Pawpaw Grove	Lee	504	Rockwood	Randolph	237
Paxton	Ford	2,800	Rogers Park	Cook	529
Payson	Adams	517	Roodhouse	Greene	1,843
Pearl	Pike	73	Rosecoe	Winnebago	326
Pecatonica	Winnebago	2,670	Rose Bud	Pope	400
Pekin	Tazewell	9,009	Rose Hill	Jasper	145
Pellonia	Massac	150	Roseland	Cook	772
Penfield	Champaign	84	Roseville	Warren	1,250
Peoria	Peoria	28,315	Rossville	Vermilion	988
Peotone	Will	2,260	Rushville	Schuyler	2,000
Percy	Randolph	250	Rutland	LaSalle	402
Perry	Pike	770	Saunemin	Livingston	185
Peru	LaSalle	5,600	St. Anne	Kankakee	1,095
Petersburg	Menard	2,800	St. Augustine	Knox	272
Phillipstown	White	140	St. Charles	Kane	2,500
Philo	Champaign	400	St. Elmo	Fayette	850
Plasa	Macoupin	140	St. Francisville	Lawrence	334
Pineckeyville	Perry	1,200	St. Jacob	Madison	461
Piper City	Ford	760	St. Joseph	Champaign	280
Pittsfield	Pike	1,000	St. Libory	St. Clair	600
Plainfield	Will	686	St. Marie	Jasper	227
Plainview	Macoupin	210	Salem	Marion	2,150
Piano	Kendall	2,792	Salisbury	Sangamon	113
Pleasant Mound	Bond	174	Samoth	Massac	30
Pleasant Plains	Sangamon	659	Sandoval	Marion	860
Plum River	JoDavies	200	Sandwich	DeKalb	2,800
Plymouth	Hancock	620	San Jose	Mason	185
Pocahontas	Bond	480	Savanna	Carroll	1,000
Polo	Ogle	2,190	Saybrook	McLean	990
Pomona	Jackson	150	Sciota	McDonough	350
Pontiac	Livingston	3,800	Scottville	Macoupin	284
Pontoosac	Hancock	266	Secor	Woodford	456
Poplar Grove	Boone	163	Seehorn	Adams	100
Port Byron	Rock Island	600	Seneca	LaSalle	800
Potomac	Vermilion	368	Seymour	Champaign	82
Prairie City	McDonough	2,180	Shabbona	DeKalb	225
Prairie du Rocher	Randolph	228	Shannon	Carroll	680

Population of Towns—Continued.

Town.	County.	Pop.	Town.	County.	Pop.
Shawneetown	Gallatin	2,200	Urbana	Champaign	3,500
Sheffield	Bureau	860	Ursa	Adams	123
Shelbyville	Shelby	3,300	Utica	LaSalle	690
Sheldon	Iroquois	1,100	VANDALIA	Fayette	2,800
Sheridan	LaSalle	442	Van Orin	Bureau	55
Shiloh Hill	Randolph	120	Varna	Marshall	460
Shipman	Macoupin	380	Venice	Madison	500
Shumway	Effingham	250	Vermilion	Edgar	580
Sidney	Champaign	468	Vermont	Fulton	1,260
Sigel	Shelby	302	Vernon	Marion	133
Smithfield	Fulton	350	Verona	Grundy	163
Smithton	St. Clair	400	Versailles	Brown	1,200
Somonauk	DeKalb	880	Victoria	Knox	285
South Chicago	Cook	1,962	Vienna	Johnson	450
M. Evanston	Cook	1,518	Villa Ridge	Polaski	500
Sparland	Marshall	375	Viola	Mercer	370
Sparta	Randolph	2,500	Virdeu	Macoupin	2,000
Springfield	Sangamon	25,000	Virginia	Cass	1,600
Spring Garden	Jefferson	158	WALNUT	Bureau	650
Stanford	McLean	350	Walnut Hill	Marion	138
Stanton	Macoupin	800	Walnut Prairie	Clark	60
Steelville	Randolph	490	Wapella	DeWitt	580
Sterling	Whiteside	6,800	Warren	Jo Daviess	1,925
Stewartson	Shelby	385	Warrensburg	Macon	300
Stullman Valley	Ogle	92	Warsaw	Hancock	4,100
Stone Fort	Saline	460	Washburn	Woodford	1,000
Stonington	Christian	137	Washington	Tazewell	2,000
Strasburg	Shelby	104	Wash'n Heights	Cook	1,085
Strawn	Livingston	280	Wataga	Knox	1,290
Streator	LaSalle	6,100	Waterloo	Monroe	3,500
Sublette	Lee	279	Waterman	DeKalb	380
Sullivan	Moultrie	1,400	Watseka	Iroquois	1,850
Summerfield	St. Clair	800	Watson	Effingham	190
Summum	Fulton	128	Wauconda	Lake	298
Sumner	Lawrence	1,021	Waukegan	Lake	5,000
Swan Creek	Warren	121	Waverly	Morgan	1,124
Swanwick	Perry	200	Waynesville	DeWitt	200
Sweetwater	Menard	164	Weldon	DeWitt	380
Sylvanore	DeKalb	2,970	Wellington	Iroquois	225
TABLE GROVE	Fulton	240	Wenona	Marshall	1,800
Tallula	Menard	500	Westfield	Clark	647
Tamaroc	Perry	960	West Point	Hancock	300
Tampico	Whiteside	421	West Salem	Edwards	516
Taylorville	Christian	3,800	Wheaton	DuPage	1,160
Tennessee	McDonough	262	White Hall	Greene	1,950
Terre Haute	Henderson	164	White Heath	Platt	100
Thawville	Iroquois	250	Williamsville	Sangamon	550
Thebes	Alexander	114	Willow Hill	Jasper	199
Thomasboro	Champaign	121	Wilmington	Will	3,000
Thomson	Carroll	400	Winchester	Scott	1,800
Time	Pike	182	Windsor	Shelby	1,200
Tioga	Hancock	325	Winslow	Stephenson	330
Tiskilwa	Bureau	753	Witt	Montgomery	134
Tolono	Champaign	1,490	Woodhull	Henry	320
Toledo	Cumberland	700	Woodland	Iroquois	180
Tonica	LaSalle	850	Woodlawn	Jefferson	319
Topeka	Mason	98	Woodstock	McHenry	3,470
Toulon	Stark	1,600	Worden	Madison	484
Towanda	McLean	450	Wyand	Bureau	738
Tower Hill	Shelby	510	Wyoming	Stark	1,280
Trenton	Clinton	1,000	XENIA	Clay	1,000
Troy	Madison	1,400	YALE	Jasper	45
Tunnel Hill	Johnson	112	Yates City	Knox	770
Turner	DuPage	1,500	York	Clark	271
Tuscola	Douglas	2,800	Yorkville	Kendall	620
Union	McHenry	156			
Upper Alton	Madison	1,536			

AN ACT

TO REGULATE THE PRACTICE OF PHARMACY

IN THE

STATE OF ILLINOIS.

- | | |
|--|--|
| <p>§ 1. Forbids compounding or sale of drugs, medicines or poisons, except by registered pharmacists.</p> <p>§ 2. Who shall register.</p> <p>§ 3. Who shall be graduates in pharmacy.</p> <p>§ 4. Who shall be licentiates in pharmacy.</p> <p>§ 5. Board of pharmacy—Governor to appoint—Illinois Pharmaceutical Association to nominate candidates for appointment as members.</p> <p>§ 6. Organization of board—Duties of members and officers—Examination of applicants for registry—Meetings—Quorum.</p> <p>§ 7. Requirements of persons claiming registry.</p> <p>§ 8. "Assistant pharmacists" to be registered—Fees.</p> <p>§ 9. Certificates for pharmacists, and fees for same.</p> | <p>§ 10. Annual fees—Certificates to be open for public inspection.</p> <p>§ 11. Duties of Secretary of board and salary—To be treasurer of the board—Bond—Disposition of funds.</p> <p>§ 12. Requires compliance with the provisions of this act within sixty days—Penalty for failure to comply—Exemptions.</p> <p>§ 13. Forbids adulteration of drugs—Penalty for same—Board of Pharmacy may appoint analyst—Board to prosecute violations of provisions of this act.</p> <p>§ 14. All poisons to be labeled—Not to be sold to any persons under 15 years of age.</p> <p>§ 15. Prosecution of suits—Duty of State's attorneys—Disposition of penalties collected.</p> |
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In force July 1, 1881.

SECTION 1. *Be it enacted by the People of the State of Illinois, represented in the General Assembly:* That it shall not be lawful for any person, other than a registered pharmacist, to retail, compound or dispense drugs, medicines or poisons, or to open or conduct any pharmacy or store for retailing, compounding or dispensing drugs, medicines or poisons, unless such person shall be, or shall employ and place in charge of said pharmacy or store, a registered pharmacist, within the meaning of this act, except as hereinafter provided.

§ 2. Any person, in order to be registered within the meaning of this act, must be either a graduate in pharmacy, a graduate in medicine, or shall, at the time this act takes effect, be engaged in the business of a dispensing pharmacist on his own account, in the State of Illinois, in the preparation of physicians' prescriptions and in the vending and compounding of drugs, medicines and poisons, or shall be a licentiate in pharmacy.

§ 3. Graduates in pharmacy must be such persons as have had four years' practical experience in drug stores where the prescriptions of medical practitioners are compounded, and have obtained a satisfactory diploma or credentials of their attainments from a regularly incorporated college or school of pharmacy.

§ 4. Licentiates in pharmacy must be such persons as have had two years' practical experience in drug stores where the prescriptions of medical practitioners are compounded, and have passed a satisfactory examination before the State Board of Pharmacy, hereinafter mentioned. The said board may grant certificates of registration, without further examination, to the licentiates of such other boards of pharmacy as it may deem proper.

§ 5. The Governor, with the advice and consent of the Senate, shall appoint five persons from among such competent pharmacists in the State as have had ten years' practical experience in the dispensing of physicians' prescriptions, who shall constitute the Board of Pharmacy. The persons so appointed shall hold their offices for five years: *Provided*, that the term of office of the five first appointed shall be so arranged that the term of one shall expire on the thirtieth day of December of each year; and the vacancies so created, as well as all vacancies otherwise occurring, shall be filled by the Governor, with the advice and consent of the Senate: *And provided, also*, that appointments made when the Senate is not in session, may be confirmed at its next ensuing session. The Illinois Pharmaceutical Association shall annually report directly to the Governor, recommending the first year the names of at least ten persons whom said association shall deem best qualified to serve as members of the Board of Pharmacy, and the names of at least three persons each year thereafter to fill any vacancies which shall occur in said board.

§ 6. The said board shall, within thirty days after its appointment, meet and organize by the election of a president and secretary from its own members, who shall be elected for the term of one year, and shall perform the duties prescribed by the board. It shall be the duty of the board to examine all applications for registration submitted in proper form; to grant certificates of registration to such persons as may be entitled to the same under the provisions of this act; to cause the prosecution of all persons violating its provisions; to report annually to the Governor and to the Illinois Pharmaceutical Association upon the condition of pharmacy in the State, which said report shall also furnish a record of the proceedings of the said board for the year, and also the names of all pharmacists duly registered under this act. The board shall hold meetings for the examination of applicants for registration, and the transaction of such other business as shall pertain to its duties, at least once in three months: *Provided*, that said board shall hold meetings once in every year in the city of Chicago and in the city of Springfield, and it shall give thirty days' public notice of the time and place of such meetings; shall have power to make by-laws for the proper fulfillment of its duties under this act, and shall keep a book of registration, in which shall be entered the names and places of business of all persons registered under this act, which book shall also specify such facts as said persons shall claim to justify their registration. Three members of said board shall constitute a quorum.

§ 7. Every person claiming the right of registration under this act who shall, within three months after this act shall take effect, forward to the Board of Pharmacy satisfactory proof, supported by

his affidavit, that he was engaged in the business of a dispensing pharmacist on his own account in this State at the time this act takes effect, as provided in section two, shall, upon the payment of the fee hereinafter mentioned, be granted a certificate of registration: *Provided*, that in case of failure or neglect to register as herein provided, then such person shall, in order to be registered, comply with the requirements provided for registration as a graduate in pharmacy or a licentiate in pharmacy within the meaning of this act.

§ 8. Any assistant or clerk in pharmacy, who shall not have the qualification of a registered pharmacist within the meaning of this act, not less than eighteen years of age, who, at the time this act takes effect, shall have been employed or engaged two years or more in drug stores where the prescriptions of medical practitioners are compounded, and shall furnish satisfactory evidence to that effect to the State Board of Pharmacy, shall, upon making application for registration, and upon the payment to the secretary of the said board of a fee of one dollar, within sixty days after this act takes effect, be entitled to a certificate as a "registered assistant," which said certificate shall entitle him to continue in such duties as clerk or assistant; but such certificate shall not entitle him to engage in business on his own account unless he shall have had at least five years' experience in pharmacy at the time of the passage of this act. Annually thereafter, during the time he shall continue in such duties, he shall pay to the said secretary a sum not exceeding fifty cents, for which he shall receive a renewal of his certificate.

§ 9. Every person applying for registration as a registered pharmacist, under section seven of this act, shall, before a certificate is granted, pay to the secretary of the board the sum of two dollars, and a like sum shall be paid to said secretary by graduates in pharmacy, by graduates of medicine, and by licentiates of other boards who shall apply for registration; and by every applicant for registration by examination shall be paid the sum of five dollars: *Provided*, that in case of the failure of any applicant to pass a satisfactory examination, his money shall be refunded.

§ 10. Every registered pharmacist who desires to continue the practice of his profession, shall annually thereafter, during the time he shall continue in such practice, on such date as the board of pharmacy may determine, pay to the secretary of the said board a registration fee, to be fixed by the board, but which shall in no case exceed two dollars, for which he shall receive a renewal of said registration. Every certificate of registration granted under this act shall be conspicuously exposed in the pharmacy to which it applies.

§ 11. The secretary of the board shall receive a salary, which shall be fixed by the board; he shall also receive his traveling and other expenses incurred in the performance of his official duties. The other members of the board shall receive the sum of five dollars for each day actually engaged in this service, and all legitimate and necessary expenses incurred in attending the meetings of said board. Said expenses shall be paid from the fees and penalties received by the board, under the provisions of this act, and no

part of the salary or other expenses of the board shall be paid out of the State treasury. All moneys received in excess of said per diem allowance and other expenses above provided for, shall be held by the secretary as a special fund for meeting the expenses of said board, he giving such bonds as the board shall from time to time direct. The board shall, in its annual report to the Governor and to the Illinois Pharmaceutical Association, render an account of all moneys received and disbursed by them pursuant to this act.

§ 12. Any person not being, or having in his employ a registered pharmacist, within the meaning of this act, who shall, sixty days after this act takes effect, keep a pharmacy, or store for retailing or compounding medicines, or who shall take, use or exhibit the title of a registered pharmacist, shall, for each and every such offense, be liable to a penalty of fifty dollars. Any registered pharmacist who shall permit the compounding and dispensing of prescriptions, or the vending of drugs, medicines or poisons in his store or place of business, except under the supervision of a registered pharmacist, or except by a "registered assistant" pharmacist, or any pharmacist or "registered assistant" who, while continuing in business, shall fail or neglect to procure his annual registration, or any person who shall wilfully make any false representation to procure registration for himself or any other person, shall, for every such offense, be liable to a penalty of fifty dollars: *Provided*, that nothing in this act shall apply to nor in any manner interfere with the business of any physician, or prevent him from supplying to his patients such articles as may seem to him proper, nor with the making or vending of patent or proprietary medicines, or medicines placed in sealed packages, with the name of the contents and of the pharmacist or physician by whom prepared or compounded, nor with the sale of the usual domestic remedies by retail dealers, nor with the exclusively wholesale business of any dealers except as hereinafter provided: *And provided, further*, that no part of this section shall be so construed as to give the right to any physician to furnish any intoxicating liquor as a beverage, on prescription or otherwise.

§ 13. No person shall add to or remove from any drug, medicine chemical or pharmaceutical preparation, any ingredient or material for the purpose of adulteration or substitution, or which shall deteriorate the quality, commercial value or medicinal effect, or which shall alter the nature or composition of such drug, medicine, chemical or pharmaceutical preparation, so that it will not correspond to the recognized tests of identity or purity. Any person who shall thus wilfully adulterate or alter, or cause to be adulterated or altered, or shall sell or offer for sale any such adulterated or altered drug, medicine, chemical or pharmaceutical preparation, or any person who shall substitute, or cause to be substituted, one material for another, with the intention to defraud or deceive the purchaser, shall be guilty of a misdemeanor, and be liable to prosecution under this act. If convicted, he shall be liable to all the costs of the action and all expenses incurred by the Board of Pharmacy in connection therewith, and for the first offense be liable to a fine of not less than fifty dollars nor more than one hundred dollars, and on each subsequent offense a fine of not less than seventy-five nor

more than one hundred and fifty dollars. On complaint being entered, the Board of Pharmacy is hereby empowered to employ an analyst or chemist expert, whose duty it shall be to examine into the so-claimed adulteration, substitution or alteration, and report upon the result of his investigation; and if said report justify such action, the board shall duly cause the prosecution of the offender, as provided in this law.

§ 14. No person shall sell at retail any poisons commonly recognized as such, and especially aconite, arsenic, belladonna, biniodide of mercury, carbolic acid, chloral hydrate, chloroform, conium, corrosive sublimate, creosote, croton oil, cyanide of potassium, digitalis, hydrocyanic acid, laudanum, morphine, nux vomica, oil of bitter almonds, opium, oxalic acid, strychnine, sugar of lead, sulphate of zinc, white precipitate, red precipitate, without affixing to the box, bottle, vessel or package containing the same, and to the wrapper or cover thereof, a label bearing the name of the article, and the word "poison" distinctly shown, with the name and place of business of the seller; who shall not deliver any of said poisons to any person under the age of fifteen years, nor shall he deliver any of said poisons to any person, without satisfying himself that such poison is to be used for a legitimate purpose: *Provided*, that nothing herein contained shall apply to the dispensing of physicians' prescriptions of any of the poisons or articles aforesaid. Any person failing to comply with the requirements of this section shall be liable to a penalty of five dollars for each and every such offense.

§ 15. All suits for the recovery of the several penalties prescribed in this act, shall be prosecuted in the name of the "People of the State of Illinois," in any court having jurisdiction; and it shall be the duty of the State's Attorney of the county where such offense is committed, to prosecute all persons violating the provisions of this act, upon proper complaint being made. All penalties collected under the provisions of this act shall inure, one-half to the Board of Pharmacy, and the remainder to the school fund of the county in which the suit was prosecuted and judgment obtained.

APPROVED May 30, 1881.

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SIXTH BIENNIAL REPORT
OF THE
TRUSTEES
OF THE
SOUTHERN ILLINOIS NORMAL UNIVERSITY,
LOCATED AT
CARBONDALE, JACKSON COUNTY.

OCTOBER 1, 1884.

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REPORT OF THE TRUSTEES.

SOUTHERN ILLINOIS NORMAL UNIVERSITY,
CARBONDALE, JACKSON Co., Oct. 15, 1884.

TO HIS EXCELLENCY, JOHN M. HAMILTON,
Governor of the State of Illinois:

SIR:—The undersigned, the Trustees of the Southern Illinois Normal University, have the honor to make their biennial report for the two years commencing October 1, 1882, and ending September 30, 1884.

At the date first named, October 1, 1882, there was cash in the hands of our Treasurer, John S. Bridges, \$715.58.

The amount received from the State Treasurer for three-quarters of the fiscal year July 1, 1882, to June 30, 1883, as appropriated by the Act approved May 30, 1881, was \$16,875.00. The amount received for one quarter of the fiscal year, July 1, 1883, to June 30, 1884, as appropriated by the Act approved June 25, 1883, was \$5,650.00. From all other sources—tuition, incidental fees, sale of land, &c., the receipts amounted to \$4,029.50; a total of \$27,270.08.

The expenses, including \$22.45 paid for exchange in transmitting moneys from the State Treasury to Carbondale, amounted to \$27,094.59. Which left a balance of \$175.49 in our Treasury October 1, 1883.

The amount received from the State Treasurer for three-quarters of the fiscal year, July 1, 1883, to June 30, 1884, as appropriated by the Act approved June 30, 1883, was \$16,950.00. The amount received for one quarter of the fiscal year, July 1, 1884, to June 30, 1885, as appropriated by the same Act, was \$5,650.00. From all other sources—tuition, incidental fees, &c., the receipts amounted to \$2,989.35; a total of \$25,764.84.

The expenses, including \$22.60 paid for exchange in transmitting the moneys from the State Treasury to Carbondale, amounted to \$25,597.33, leaving a balance of \$167.51 in our Treasury October 1, 1884.

For an itemized statement and account of these receipts and expenses, and the several departments to which they belong, we refer to the quarterly and general statements of the Treasurer of the University for the two years, which are herewith transmitted for your inspection, and to which we beg to call special attention.

The general interests of the University have been prosperous almost beyond expectation. Much has been done to add to the facil-

ities of instruction in the various departments and to provide in the several branches for original investigation and research in the laboratory and museum.

It will be seen that the number of students in all departments of the University has considerably increased. There were in all the departments, pupils as follows, viz:

YEAR 1882-83.

Training Department, all paying tuition.

First term.....	Males, 20	Females, 19	Total, 39
Second term.....	" 19	" 18	" 37
Third term.....	" 18	" 23	" 41
Totals	57	60	117

Preparatory Department, all paying tuition.

First term.....	Males, 40	Females, 26	Total, 66
Second term.....	" 42	" 18	" 60
Third term.....	" 18	" 15	" 33
Totals	100	59	159

Normal Department—paying tuition.

First term.....	Males, 8	Females, 9	Total, 17
Second term.....	" 14	" 5	" 19
Third term.....	" 15	" 3	" 18
Totals	37	17	54

Normal Department—not paying tuition.

First term.....	Males, 109	Females, 104	Total, 213
Second term.....	" 131	" 119	" 250
Third term.....	" 108	" 105	" 213
Totals	348	328	676

Total of all Departments—First term.....	331
" " " " Second term.....	356
" " " " Third term.....	306
Grand total.....	992

YEAR 1893-94.

Training Department, all paying tuition.

First term.....	Males, 21	Females, 22	Total, 43
Second term.....	" 20	" 22	" 42
Third term.....	" 19	" 28	" 47
Totals.....	60	72	132

Preparatory Department, all paying tuition.

First term.....	Males, 47	Females, 26	Total, 73
Second term.....	" 32	" 21	" 53
Third term.....	" 17	" 13	" 30
Totals	96	60	156

Normal Department—paying tuition.

First term.....	Males, 10	Females, 6	Total, 16
Second term.....	" 6	" 6	" 12
Third term.....	" 9	" 4	" 13
Totals	25	16	41

Normal Department—not paying tuition.

First term.....	Males, 109	Females, 112	Total, 221
Second term.....	" 106	" 112	" 218
Third term.....	" 76	" 140	" 216
Totals	291	364	655
Total of all Departments—First term.....			353
" " " Second term.....			325
" " " Third term.....			309
Grand total.....			987

The year previous, or 1880-81, this grand total was 701. The average age at which students enter the school has increased from 18 years and about one month to 18½ years, and our Faculty, as will be seen by their report made through the Principal, have found that the qualifications or literary attainments of these students have increased in a still larger ratio.

The number of students who complete the full course and graduate is still small in comparison with the number who attend for short times. Yet it is about equal to what other institutions of the same grade accomplish. The graduates in June, 1883, were 10 in number, and in June, 1884, 16 in all. In the ten years nine classes have graduated numbering 81, and most of these are now engaged in teaching. Only one of them has died.

The ninth and tenth annual reports of the Principal, made to us in June, 1883, and in June, 1884, have been printed, and copies are herewith enclosed. We desire to make them a part of this report as an appendix. They contain some facts and considerations which we deem worthy of the attention of the public, and they explain the working of the school as conducted by our Faculty, most of whom have been connected with the University since its opening. These gentlemen and ladies are so well known to the people of this section of the State, that they need no commendation from us, further than the one fact that we have continued them in their several chairs of instruction since their first election in July, 1874. This act of ours indicates our opinion of their merit, and the fact that there has been no pressure from without for their removal, amid the progressive tendencies of the times and the multitudes of worthy candidates for employment, shows the public appreciation of their qualifications and work, as well as their personal popularity.

In June, 1883, Professors Foster and Hillman resigned the positions which they had held very popularly for nine years—Professor Foster to take the superintendency of public schools in the city of Reno, Nevada, and Professor Hillman to engage in business in Kansas. There were some changes in the department work, and Professor Samuel M. Ingles, of Greenville, was chosen to fill the chair of arithmetic and algebra, and Miss Inez I. Green, of Mt. Vernon, was employed in the department of geography, and as assistant in teaching algebra.

At the beginning of these two years the Training department, which had for several years been discontinued, was reorganized under the immediate supervision of Professor Hull, as the teacher of practical pedagogy, with Miss Mary A. Sowers, a graduate of

the class of 1881, as assistant in charge. It has been eminently successful. The design of it is to afford opportunity to exhibit our methods, to try well considered experiments in educating the child, and to give a chance to our pupils to exercise themselves in the practice of teaching and controlling classes in recitations. We thus afford them facilities to observe how a skillful teacher conducts the business of the school room, secures obedience, enforces discipline, applies stimulus to the indolent, represses the impudent, and foresees and prevents incipient tendencies to disorder. A limit was fixed, at first, to the number to be admitted—thirty-two being set as the maximum. So great, however, was the demand for places in its classes, that the number was successively advanced to forty and finally to fifty, and now it exceeds even that limit. The pressure for more accommodations is still great, but no more can be received. At the last Commencement Miss Sowers resigned her place, and Miss Alice Krysher, another graduate of the University, succeeds her, and enters on her work with good omens.

The United States government has detailed an officer of the army to give instruction in military science and tactics in our University, to such students as may desire it. This is now the seventh year of the experiment, and we are of opinion that it is a valuable addition to the appliances which our school affords for making citizens capable to do all duty, or as Milton has it, "fit for all the offices, both of peace and of war." Nothing gives a better physical development and a manlier carriage than an exercise in marching and in the manual of arms. The knowledge gained and the habits of self-control acquired by military drill, the ability to stand erect and alone, to lead and to follow when commanded, and to command when circumstances require, are all invaluable in a nation where every man is the equal of every other, and where each may be called on to defend the life and institutions of his country as well as his own dear-bought privileges. Implicit obedience to the orders of a superior—though only in temporary authority—is worth an incalculable sum to any young man, especially as this enables him to unite with others in order to secure, to enjoy and to extend the advantages of civilization.

On the 26th day of November last, a fire was discovered, at a quarter past three o'clock in the afternoon, in the southeast corner of the Mansard roof, directly over the museum. Attempts were at once made to reach and subdue it, but every effort was baffled, and in less than two hours the magnificent building was in ruins. The Faculty, the students and the citizens made heroic exertions to arrest the progress of the flames. A fire company with a steam fire engine from Cairo, and a fire company from Murphysboro, came on express trains to aid in saving the University; but, owing to some unfortunate construction of the roof, and to the location of the water supply tanks and their imperfect connection with our own steam engine, it was impossible to get a drop of water to touch the fire. The people who came to the assistance of the Faculty and students succeeded in saving a large part of the furniture, almost every book and pamphlet of the large and valuable library, and the most of the apparatus and appliances of the laboratory. The museum was already invaded by the fire when first it

was seen, and it was a total loss. The Socratic Literary Society, whose room of meeting was adjacent, was a great sufferer, losing all its valuable pictures and furniture, except its piano forte. Considering that the fire occurred while the school was in session, and that three hundred and fifty students were in the building, engaged in the different rooms, and that almost a thousand citizens hurried to aid in saving property, it is a matter of congratulation and thankfulness that no one was injured, and scarcely one was in any way endangered.

Dr. James Robarts, the Secretary of the Board of Trustees, at once telegraphed to the members of the Board, and Mr. C. N. Hughes and Dr. H. C. Fairbrother came from their residences on the first trains. Mr. Hughes arrived at 5½ p. m., with the steam fire engine from Cairo, and Dr. Fairbrother came in at midnight. The other members could not attend. These three, however, constituted a quorum of the Board, and they at once took prompt and efficient measures to secure the property saved, and proceeded to the work of putting the school into the most comfortable quarters possible. In their efforts they were aided by the citizens of Carbondale, who held, at the call of their mayor, E. J. Ingersoll, esq., a mass meeting that evening. Measures were inaugurated at once to build a temporary building to be used for the school till the General Assembly should make appropriation for renewing the structure, and within sixty days the students were at work quietly in these temporary quarters on the Normal campus. This building is one story, in the form of a Greek cross, 163 feet in extreme length from east to west, and 117 feet from north to south. It has a central hall for study and fifteen rooms for recitations. It is a model of simple convenience as a school house for a city or village where land is abundant. It is well ventilated, and easy of access in all its parts, and will accommodate from three hundred and fifty to four hundred pupils—crowding them considerably to be sure—but giving them opportunity for almost all the exercises of recitations and study. It has no vacant spaces and does not permit much opportunity for display, but it does answer a most useful purpose; and it gives the State the assurance of the deep interest which the citizens of Carbondale and vicinity feel in the prosperity of the school in their midst, and of their determination to do their part toward maintaining an institution so necessary for the improvement of the free schools of our State.

These citizens of Carbondale deserve from us and from their fellow citizens of the State, a grateful acknowledgment of their enterprise, their public spirit and their self-sacrifice. Many of them at any other time would be entitled to honorable mention. They not only gave advice and encouragement, more grateful than anything else, but valuable time and large sums of money. They provided rooms for recitations, for assembling, for library, and other purposes, in such abundance as almost to embarrass us. We therefore abstain from naming any one, and give only general credit to gentleman and ladies who, within about two weeks, gathered over \$4,500, and applied it toward the building already named. The total cost was about \$6,000 in all, a portion of which we were fortunately able to supply from some moneys collected from the tuition

and incidental fees. We trust our students and teachers will do good work in it until the General Assembly, soon to be chosen, will authorize the restoration of the edifice which was the pride of our section and an honor to the State.

It might be expected that we should argue the necessity and propriety of restoring the building which has been so nearly destroyed. We do not propose to do this at length or with any degree of fullness. That matter is with the people of the State, and will be carefully and, we doubt not, wisely and justly considered by a General Assembly to be chosen in less than a month. That body will come fresh from the people and will understand their desires and their wants as well as the ability of the State. We should not, however, discharge the high trust committed to us, nor be true to our own interests as citizens, if we did not emphatically express our own opinion and give the briefest points in the argument for the immediate rebuilding of the University. You, sir, as Governor, having the welfare of all the people at heart, have looked over the ground and will at the proper time express your conclusions. We need therefore only hint at what seems to us conclusive reasons for asking of the General Assembly a liberal appropriation for the purpose of rebuilding the edifice to accommodate this part of the State with Normal instruction.

In the first place the State, ten years ago, accepted a large donation from the people of this section to aid in building for its sons and daughters a school, which should give to them as good advantages of public education and Normal school training as the Central and Northern parts of the State had, for fifteen years, enjoyed. The solicitation and acceptance of this donation was then reckoned to be a pledge that the school should be continued, and that no accident should be allowed to interrupt it. The building was uninsured by the deliberate action of several successive legislatures, in fact by what seems a settled policy. There appears, therefore, to be substantial justice for the claim to rebuild. And this is aside from the consideration of the needs of our public school system, which all our best educators, without exception, believe to demand the maintenance of normal schools; and it does not take into account the convenience of the people of this section. It simply looks to the matter of right and justice.

Another consideration is, on some accounts, of more weight than even this. It is the immense advantage the University has already brought to the schools of this State, and the promise which it affords of vastly larger benefits in the future. This is stated in the reports of the Principal already alluded to, and we shall not repeat. We only name, in this connection, the great loss which the State must sustain if this enterprise is now abandoned. The loss by the fire, as it now stands, is immense. But if the building is not rebuilt it will be a total loss of all the money that has been expended. Indeed, what education it has accomplished will mostly remain. But the walls as they now in part stand, the foundation, the library, the apparatus, all will be complete loss. As these now remain they are worth not less than \$60,000, and many good judges estimate them considerably higher. Then, the tendency among the people to seek a better education will be at least partially arrested,

and especially the impulse given to candidates for the teacher's office, to seek a full preparation for their noble and responsible duties, will be almost wholly destroyed. The work of education seems also to require centers of power or influence, and this University has begun the establishment of one such in the long, narrow section of our State towards its southern end. The nucleus of library, museum, laboratory and schools has been located at a convenient point in the city of Carbondale; if not in the most easily accessible, at least in what has, on more than one occasion, shown itself peculiarly enterprising and unselfish. Can our beloved and progressive commonwealth afford to lose all this, and further deprive that portion of her tax-payers who reside in Southern Illinois of the fair opportunities of education and growth which other portions possess? To ask such a question seems to us an answer to all objections to the speedy restoration of our University to its original beauty and power.

The amount needed to rebuild is variously estimated by architects and builders at sums from \$125,000 to \$200,000. We shall cause careful calculations to be made, with suggestions for plans of restoration, and shall submit them, in due time, to you, that you may transmit them to the General Assembly if you judge best.

The estimates for carrying on the school for the next two years are herewith submitted, with the single remark, that our policy has been from the first to ask for the exact amounts in our judgment necessary to carry on the school with profit and credit to the State. The sums are somewhat smaller than in other years, because we are in a less spacious building, and because the usual amounts for library, museum, fuel and repairs will not be needed; at least, till we are in the new building. The salaries are, for our professors, in nearly every case, now smaller than in other institutions of the like grade, not only in our own State, but in others. This inequality seems to us neither good policy nor wisdom, and we therefore have asked an addition to the sum for salaries.

With these explanations we submit the accompanying estimates, and we solicit a favorable consideration of them. We are sure, from the interest you have always manifested in our welfare, and from your general public spirit, that you will in no case neglect so important a public institution. We have to express our gratitude for your advice and valuable suggestions, and we beg you to accept our sincere acknowledgments of your services.

The following is the summary of the items of receipts as appropriated by the General Assembly and collected from other sources, and of the expenditures as classified and arranged in our accounts, viz :

For the year beginning October 1, 1882, ending September 30, 1883.

Dr.		Cr.	
Paid for salaries.....	\$19,023 00	Balance.....	\$715 58
" " repairs.....	466 47	For salaries.....	18,550 00
" " fuel.....	768 06	" repairs.....	937 50
" " library.....	1,540 90	" fuel.....	812 50
" " museum.....	752 10	" library.....	1,125 00
" " apparatus.....	442 44	" museum.....	500 00
" " Trustees' expenses.....	176 44	" apparatus.....	325 00
" " coal house.....	400 00	" Trustees' expenses.....	275 00
" " incidentals.....	3,525 18	" coal house.....	400 00
Balance.....	175 49	" all other sources.....	3,629 50
	\$27,270 08		\$27,270 08

For the year beginning October 1, 1883, ending September 30, 1884.

Dr.		Cr.	
Paid for salaries.....	\$19,077 95	Balance.....	\$175 49
" " repairs.....	1,251 41	For salaries.....	18,550 00
" " fuel.....	320 70	" repairs.....	750 00
" " library.....	478 03	" fuel.....	1,000 00
" " museum.....	337 06	" library.....	750 00
" " apparatus.....	344 73	" museum.....	500 00
" " Trustees' expenses.....	261 45	" apparatus.....	400 00
" " care of grounds.....	822 54	" Trustees' expenses.....	350 00
" " incidentals.....	2,703 46	" care of grounds.....	300 00
Balance.....	167 51	" all other sources.....	2,989 35
	\$25,764 84		\$25,764 84

The following are the amounts estimated by us as necessary for successfully carrying on our University for each of the next two years. We assume that the school will be ready to occupy new and larger quarters early in the year 1885-6, and that the sums for many items will be greater for the second year than for the first:

Items.	Estimates for year beginning July 1, 1885.	Estimates for the year from July 1, 1886.
Salaries.....	\$19,670 00	\$19,670 00
Fuel.....	500 00	1,000 00
Library.....	250 00	1,250 00
Apparatus.....	150 00	500 00
Repairs.....	250 00	500 00
Museum.....	150 00	500 00
Care of grounds.....	300 00	300 00
Trustees' expenses.....	550 00	350 00
Totals.....	\$21,820 00	\$21,070 00

We append the names of the several members of the Faculty of Instruction and Government, as they were elected and have entered on their work during the term now progressing, and which began September 8, 1884:

FACULTY OF SOUTHERN ILLINOIS NORMAL UNIVERSITY.

ROBERT ALLYN, LL. D., *Principal*.

Teachers.

CHARLES W. JEROME, M. A.

JOHN HULL, M. A.

DANIEL B. PARKINSON, M. A.

JAMES H. BROWNLEE, M. A.

MARTHA BUCK.

GEORGE H. FRENCH, M. A.

ESTHER C. FINLEY, M. A.

SAMUEL M. INGLIS, M. A.

INEZ I. GREEN.

CHARLES G. STARR, Lieutenant U. S. A.

JOHN BENDEL, Ph. D.

ALICE KRYSSER.

LILIAN B. FORDE.

With sentiments of high esteem,

We subscribe ourselves, Sir,

Your very obedient servants,

THOS. S. RIDGWAY, *President*.

JAMES ROBARTS, *Secretary*.

N. C. FAIRBROTHER,

R. D. ADAMS.

APPENDIX.

*Containing the Ninth and Tenth Annual Reports of the Principal,
made to the Trustees.*

NINTH ANNUAL REPORT OF THE PRINCIPAL.

SOUTHERN ILLINOIS NORMAL UNIVERSITY.
CARBONDALE, ILL., June 13, 1883.

To the Board of Trustees of Southern Illinois Normal University:

GENTLEMEN—Again it becomes a duty, and it is a pleasure, to make to you my annual report as Principal of this institution. It has been a year of much labor, and of increasing prosperity. The number of students has increased to 541, and the confidence of the people in its stability seems also to have grown. The graduates are ten, and they will compare favorably with any previous class, either in ability or in scholarship. They have all passed what was adopted last year as the graduating examination. This is a careful review of all the studies their course made at some time during their last term in the University. It has been described in our catalogue, and yet it is not inappropriate to call attention to it here, as the Faculty of the school deem it a valuable feature, and one which will give our graduates not only a reputation for scholarship, but will enable them to be much more certain of their own attainments.

The member of the Faculty, having in his charge each particular branch of study, prepares at an early day in the winter a set of thirty questions on that topic. These queries are to cover the subject fairly, embracing its difficulties as well as its elements. Yet they are not expected to deal with puzzles or curious questions. These thirty topics, for so they may very justly be called, are then submitted to the Principal, and he is to strike out ten of them and add if he judges best, or modify, as shall suit himself. The twenty thus left are then submitted to the State Superintendent of Public Instruction, at Springfield, who examines them and strikes out ten others, leaving ten for the final examination. These ten are printed and at the proper time are laid before the candidate for graduation, and he is to write brief answers to such five of them, as he himself may select. It is expected that he will give answers to fill, for each of his five topics, about a half page of foolscap paper.

These papers are then laid before a committee chosen by the Faculty, to be composed of not less than five, three of whom are to be county superintendents, and the others are to be graduates of the University. These persons are to examine the written papers of the candidates and give their opinion of their merits and recommend them to the Faculty as qualified to pass or otherwise. This is the scheme.

It was carried out in full and with remarkable success, as we think. During the month of May the class did the work, almost wholly under the eye of some one of their professors, and we believe with honesty and fairness. The committee were Samuel B. Hood, superintendent of schools of Randolph county; William L. Martin, superintendent of schools of Washington county; William Y. Smith, superintendent of schools of Johnson county; Mary Wright, of Cobden, a graduate of the class of 1876; Lizzie M. Sheppard, of Carbondale, a graduate of the class of 1880, and John T. McAnally, M. D., of Carbondale, a graduate of the class of 1878. They met at the University the last of May and spent three days in a careful examination of the papers written, amounting to a little over a thousand pages of manuscript. They unanimously recommended the ten to be graduates, and passed a high encomium on the neatness and order of the papers. The members of the Faculty had previously examined and graded these papers, and when a comparison was made of the grades of this committee and those of the Faculty, the difference was found in each case to be not more than five in the hundred, in most cases the committee and the Faculty agreeing to within one and a half with the teachers.

These papers, after this careful examination, have been laid up in the library of the University. They will be bound and will serve a valuable purpose for future reference and comparison. We deem this new feature a very valuable one, which in our opinion will be fully equal to the highly useful examination for a State certificate. It will send our students forth with a very complete review of their studies and with an ability to state in writing, in a brief manner, the knowledge they have been acquiring. We have been greatly pleased with the results of this first attempt, and shall seek to have it continued and perhaps to enlarge and render it more perfect.

The year, as was said, has been a prosperous one. The health of the pupils and of the members of the Faculty has been almost perfect, and the amount of study accomplished has been certainly greater than in any previous year.

There is a continued increase in the average age of our pupils this year. Including our Training department, the average has been a little over eighteen and a half years, against about eighteen and a quarter years previously. The standard of qualifications has also advanced in a more rapid rate than that of age. We are certain that much of this elevation of attainment by the students who enter our University is due to the students who have been partially educated by us and have gone to teach in the schools of this section of the State. Most of those who enter our school now have been under the instruction of teachers whom we have educated to some extent in our classes, and they come to us knowing, in at least a small degree, our methods. They spell much better than the candidates for admission did at first. In our first examinations it was by no means uncommon for us to give out fifty words—usually common ones—and find from sixty to seventy-five per cent. of them misspelled. In one case the percentage of failures went as high as eighty-three per cent. on such words as "specimen," "separate," "conceive," "believe," "grammar," "hammer," "primer," and the like. But this year the highest

number of errors in similar cases has been forty-seven. This is not very creditable for the orthographical teaching in our common public schools, but it is great progress. And letters received by us from our students who are engaged in teaching, and from directors and parents and friends of education, warrant the conclusion that much of this progress has been stimulated by our example, and by the persistency with which we have, in our teaching, enforced the idea that, of all things, the most useful and the most necessary is the accurate knowing of the first elements of education—the English language and its words—how spelled, how pronounced, with what meaning and with what force and beauty.

We find also a great advance in pleasing and appropriate reading, but not so much in arithmetic and in the grammatical accuracy of common speech. This latter is so much a family habit that it will, of course, require a longer time to show a decided improvement.

As to the old question, "do our scholars teach after they leave us?" we have an accumulation of facts beyond any previous year, all weighing in the affirmative. It is to be regretted that a large proportion of our students do not remain to graduate, and enter upon the profession of teaching. Only about one in thirty of all our pupils have graduated. But if we count out all who hope to graduate, and all who have entered within two years, we find that about one in twenty who enter do complete the course. Considering the fact that we have a Training department which receives children as young as eight years of age—though the number of such is small—not more than five—and that we have also a Preparatory department, which corresponds to an academy in the college system of education, our proportion of graduates to the number who enter will compare—allowing for the newness of our section of country—very favorably with those who in New England or New York set out to complete a college education and begin in an academy. The college itself will hardly graduate the half of those who enter a four years' course. But these college students had entered an academy years before, along with about five times their number, who had dropped out by the way before reaching the doors of the college.

But the beneficial results of the education or discipline which we are giving to the public are not to be measured by our graduates. It is chiefly by the effect on the many who are with us one and two years, and even less than a year, that we are, at this time of our history, to be valued. By the amount and quality of the teaching work done by our students who have been here only a few months, and have learned something of the elements of knowledge which we teach, and become inspired by the methods which we use, and then have returned to be examples of more intelligent citizens, or to be better forces in the work of teaching common schools, is our influence to be estimated, and by this the value of our University is to be judged.

We have sent out as teachers not far from thirteen hundred—a little more than that number—and these have taught in a large number of the districts of this part of the State. We have direct

testimony from directors, from citizens, from county superintendents, from parents, and from these students themselves, all going to show that the public have appreciated our work, and understand that those pupils whom we have instructed—though only for a term of twelve weeks—have in most cases been better teachers than the districts had before employed. They have elevated the schools and made knowledge more attractive and scholarship more accurate. And they have, as was said a little space above, sent to us new students much better trained, far better qualified to study and more ambitious to learn. In this line we can not avoid the conclusion that we have been eminently successful in doing the work which the State needs and which the General Assembly expects of this University.

Our school is really not expected to train or educate teachers for the high schools. It is to prepare those who shall do most of the teaching in the common and ungraded schools of the country. Teachers of high schools and those who become superintendents of schools and county superintendents are more like the men of a learned profession, and generally have given time to prepare for their duties, and expect and receive proportionately large salaries. But the teachers in the ungraded schools have had little opportunity for preparation; they receive small compensation and remain in the same place only a short time—perhaps not more than a single session of five months. It is for such as these that our pupils are instructed by us, and this is by far the greatest benefit to the State. Such districts as have small schools, and therefore can afford to pay only the most meagre wages, have children as full of talent, and even genius, as the largest and richest districts, and being as they are, a part of the great system of the State, deserve as good schools and as efficient teachers as any section. They pay in the same proportion their taxes and should enjoy the school privileges in proportion to the numbers they will contribute to the future population of the commonwealth. Let them have teachers who have been trained by the State authorities in our Normal schools, and they become the equals in the privileges of school education of the other parts of the State.

The advantages of our training are many, and not the least among them are bringing together young people who will teach for one or two, or at most, three years, and instructing them according to a common method and in common duties. By such associations and instruction they get the best ideas and learn how to impart them. They become confident, not so much in themselves as in the system of schools, and learn to act, not as isolated and independent, unsupported and neglected personages, but as parts of the grandest army of workers in the cause of education the sun ever shone upon. They also get from our training class a knowledge of what to do, and how to begin, and how to proceed, to the end. They are, therefore, not wholly inexperienced in the work they are to do, and can begin without loss to the community, making even their first school an assured success.

The greatest number of letters, commending our schools, have come to us from the country districts, and from these we have been assured of such success by our teachers as to have been led often to remark that the value of the schools where our pupils have taught has been in many cases doubled.

Another source of value our University has opened to the people of this section. It has given them a good school for their children at home, and has saved to them the expenses of travel to other States or to distant districts of our own. It has become a matter of pride that Southern Illinois has had a magnificent building for a Normal University, and that the State has maintained in it an admirable institution of learning, where the children of the common people may, almost at their own doors, enjoy the privileges of the best education which the land can afford. And the common people have largely patronized it. Up to this date there have been enrolled upon our books one thousand nine hundred and fifty-five persons of all ages. One of these has been above fifty years of age, two others above thirty, three below seven, and twenty-one others below ten when they entered the school. Taking all together, the age of entering has averaged almost exactly eighteen years and three months. All the professions and callings have been represented by the parents of these students, but the farmers and laboring men have been by far the largest proportion, and the children of these have made up a little over eighty per cent. of the whole number in attendance.

The work of teaching has been carried on with two purposes in the minds of the professors. First, to give the students a careful and thorough review of the common branches of an English education, and Second, to show the most philosophical methods of imparting knowledge and discipline.

That an English education is the most valuable to our people is not denied by any one. While there may be differences of opinion as to the value of the ancient languages and of the sciences, there can be no doubt that the ability to speak and write the language of our daily life and business is most desired, certainly at the first. No society is possible in this country without it, and no business could be done without the aid of the mother tongue. It must therefore be first acquired. Fortunately the child learns this by almost an instinct, and before he knows anything of the task or pain of learning, his ear is trained to hear and his lips to speak that noble language which inherits the wisdom of all times. He does not, indeed, learn the language in either its completeness or in its accuracy. This latter is most unfortunate. The common speech of the people—the self-styled educated—no less than those who rather make a boast of lacking education—does not attain to any fair degree of critical accuracy. This is not peculiar to the English speaking peoples. From the earliest times purists of speech in all tongues have made jests at the expense of the careless. It is no worse to-day than in the times of Loreginus, this inaccurate habit of talking. We smile at the spelling of our people, and our school teachers and parents who have given attention to the subject are not infrequently mortified by noting the blunders in orthography, in pronunciation and in diction or in sentence-making of those whom

they thought they had trained to know all the correct forms and usages in the lines named. And it is humiliating to find that a scholar who has seen with his eyes and has made with his pen, lips and voice the exact form, sounds and letters of the word "specimen," should write it, in his first letter to his home, in any of a half dozen of inappropriate and ludicrous forms. But it is not worse than the educated son of James II, of England, who wrote to the Parliament that "he claimed the throne by right of inheritance from his honored father, Gems II."

We must not excuse this careless usage, but teach by iteration and example the correct and elegant use of speech which makes our language to be an ornament of thought, and which fills it with poetic beauty. In every step of our teaching it is our aim to secure this care in the use of "English undefiled," and to make it a habit as well as a knowledge for the pupil. Of course, we can only hope to succeed perfectly in this endeavor when all the schools and families of the land have become familiar with such accuracy.

The same aim we set before ourselves in all the branches of study. Writing is not to simply make letters with a pen. It includes the ability to compose sentences, paragraphs and even discourses, and while we give attention to the mechanical part of the process, we also attempt much of the work of expressing thought by means of words. And here, too, we are compelled to confess that our success is as certainly limited in its results as in the case of correct spelling and elegant speech. Nevertheless, our only way is to reiterate our advice to continue the practice and never grow to be discouraged at any amount of forgetfulness or blundering, or even, in a few cases, of seeming stupidity.

We employ the same process with arithmetic, grammar, geography, history and philosophy and hygiene. We wish to secure a practical knowledge of these branches so that our students can make all the computations of business and explain the process, can write accurately forms of business and transact all the multiform operations connected therewith, as he may have occasion in practical life; that he may know where the granaries of the world are, and also the markets and the lines of commerce and intercourse, and could travel intelligently, actually or in imagination, over the world and profit by it; so that he will in his daily reading of newspapers be able to understand the place of each affair named, and the varied allusions to history, ancient and modern: and, finally, that he shall know something of the laws of the body and mind, and be prepared to apply the rules of health to his own body, to his diet, exercise, work and amusements. In short, that the pupil may know how to live as a healthful man, a good citizen and a progressive philosopher as well as a scholar.

When the foundation for scholarship is thus laid in knowledge and in discipline or self-control, our next object is to show how the teacher can, with least loss of his own time and effort, and with greatest care to the scholar, impart all this. There are lines of advance into every topic of human knowledge which are more natural than others, and through which an entrance can be made with greater success than by others. There are connections and

associations of knowledge, facts and principles which will better secure the memory of them than with other associations. There are exercises, the repetition of which will more certainly provide strength and agility of body and mind than others. The science of pedagogy teaches and illustrates these. It is our purpose to lay these principles before our scholars and to exercise them in the art of teaching. This is our second attempt, and if our pupils could come to us, as we trust by and by they will, fully grounded in all the elementary knowledge and discipline of which we have spoken, this would be almost our sole aim, and the value of it to the community we think is far beyond its cost.

I have in previous reports spoken of the appreciation which the intelligent portion of directors and patrons of schools have shown of our work, and, indeed, have said a word concerning it in this report. It needs no further mention. We are assured by almost every mail that Southern Illinois does appreciate the State's liberality to its children, and does value the facilities for educating them near their homes and in their own peculiar needs.

A few words may be said about the appliances we have for doing this work so much to be desired and so highly beneficial. And first, our building is really one of the best ever erected. Its noble hall for study, and its ample corridors for ventilation and ease of movement, its excellent opportunity for light and heat, can have no competitor. We have all needed apparatus and appliances for illustration, not so complete as we hope to have as time advances, but in themselves excellent. We seek to add to these as the State gives us the means and as they wear out, and every year increases our facilities of showing experiments and exhibiting processes of teaching and doing the business of life. Every study pursued has more or less of connection with some practical end that may be enforced or explained by physical apparatus of some sort, and we have this at hand and daily use it.

Then in Natural Philosophy we have machines and opportunities to illustrate—valuable indeed, not everything which is desired or needed, but enough to do better work than has been usual in seminaries of the kind, and it is our purpose to obtain more as it is made possible by our annual appropriations.

Our Chemical Laboratory is already the best appointed in any Normal school in the land, and is not only useful as a part of a Training and Experimental school, but as a place for research. And our pupils are specially instructed in the use of all the apparatus for analysis and composition, and in the process of discovery and verification practiced in any of the higher schools of the land. Yearly the classes in these important branches of physical research have been growing, and our means of doing original work are being developed and enlarged.

Besides, we have begun a museum, which numbers thousands of specimens of minerals, plants, woods, shells, curiosities, archæological, historical and others, to illustrate the customs and manners, the science and modes of life of the human race. We are adding hundreds of specimens to it every month, and intend to make it not

simply the best of its kind, but so nearly perfect that our students shall have opportunities to learn much of foreign lands without the trouble of travel and much of the history of the world as they would have seen it if they had lived in other times.

The Library consists of not far from eight thousand volumes, containing books on every topic of learning and research. It is valuable in works of literature and science, and is used by our professors daily to enlarge the scope of their instruction and to incite the ambition of the pupils to read and become habituated to gain knowledge as it has been preserved by scholars and scientists. Every year for the last seven the General Assembly has been fairly liberal with us in the matter of money to increase this library, and we have added to it not far from a thousand volumes a year. It is particularly rich in history, biography and in science, especially in books on the theory and art of teaching, of pedagogics and the kindred branches of the mind and morals. We esteem it among our most useful means of instruction. Our students daily use it, and, we think, profit by it.

We can not, indeed, understand how it is possible to carry on a school for the advantage of the public, without connecting with it a library for two purposes: The one to give opportunity for the student to carry his reading in every science beyond the text-book, and the other to enable him to form the acquaintance of those great masters of thought and language, who are found so abundant in numbers and so prominent in power throughout the whole range of English literature. We have, therefore, accumulated a library of nearly eight thousand volumes, containing a large and very excellent selection of reading in both these lines named. While the General Assembly has never given us a large sum in any one year, or in all the time of our school's existence—not to exceed \$4,500—we have made such judicious use of it that we are proud of its number of volumes and of their general adaptation to our design. An annual appropriation of about a thousand dollars will enable us to keep abreast both of the science and literature of the age.

We have thus, by some considerable sacrifice of salaries of professors, accumulated a fine library, a large museum and a good laboratory for chemical experiment and research. The purpose of the latter is to study a very useful and growing branch of knowledge, according to the method of nature, not solely by books, but by actual work on the elemental atoms of matter, and thus compel nature to give up her secrets by the test of the crucible. The only way to make a scholar is to compel him to do the work. So we put our chemical student at the experiment table and give him the reagents, and leave him, by the advice and direction of the teacher, to learn for himself. The same is our method of natural history. He has the specimen before him as we have preserved it in our cabinets, and he studies that—not simply reads of it in a book. He may, indeed, read of coal in his text-book, but he must examine coal and find out by his own analysis what it is made of, and then we take him to the coal bank, let him find how it lies, how it is mined and what are the conditions under which it exists.

He is therefore practically educated, and can not be a mere book-worm. In the same manner we study mental philosophy and the science of teaching, or pedagogy. He may read a text-book, but he is to study his own mind and the mind and nature of the child, his desires, emotions, affections, his ability to see and remember, to imagine and to reason, and learn thus exactly how to present knowledge that it may be grasped and retained, and recalled. Then he observes in the school room, and learns to mark the method of his teacher and the mistakes of his associates, as they are called on to teach classes in our Training department. He is hence made a clear, knowing critic, before he is called to exercise his calling in an independent manner. We reckon this practice, in reading books of the library, in studying specimens of our museum, in working experiments in our laboratory, and in actual teaching and observing in our elementary classes, the best part of the new education. And we feel confident that by thus doing we are adding to the value of the schools of this portion of the State in a sum almost incalculable.

One other thing deserves mention. The spirit of our school leads teachers and students to talk much of schools and teaching. Intercourse with others with the same aims, and who are engaged for a short time in the same pursuits, gives a love for the business, and by discussing plans and difficulties, duties and expedients, they all become in a greater or less degree prepared to enter on their work. If there were no other benefit of a school for teachers than this familiarity of the business of learning, it would give confidence, and, in most cases, would add power to the candidate for the teacher's office.

Our teachers in each of the several departments have done faithful work and deserve credit for their zeal, and in many instances, sacrifices. It should not be forgotten that up to this time nearly every one of them is at work for a less salary than others in similar positions with a smaller number of hours than those in our school. They do not complain, but do this that our young institution may earlier accumulate the means of giving the best opportunities of reading, of investigation and of scientific research. They are having a reward in the larger number of students who yearly come to be instructed and in the improved condition of every facility we have for imparting knowledge and discipline.

The following persons are unanimously recommended by the Faculty to be graduated in the several courses of study prescribed by your rules. They have completed the required branches and have passed the usual examinations, and have been recommended by the committee of county superintendents and graduates, as heretofore stated in this report, viz:

FRANKLIN M. ALEXANDER,
MAGGIE BRYDEN,
DANIEL B. FAGER,
BELLE KIMMEL,
DELLA A. NAVE,

WILLIAM B. BAIN,
ALICE M. BUCKLEY,
M. LILY HOUTS,
JOHN MARTEN,
EDGAR L. SPRECHER.

I remain, very truly, your obedient servant,

ROBERT ALLYN.

TENTH ANNUAL REPORT OF THE PRINCIPAL.

SOUTHERN ILLINOIS NORMAL UNIVERSITY.
CARBONDALE, ILL., June 11, 1884.

To the Trustees of Southern Illinois Normal University:

GENTLEMEN—I have the honor to make a tenth report to your honorable body, and to present with it the reports of the teachers of the several departments and that of the curator. The circumstances surrounding us are sad. The ruins of our building lie crumbling before us. Our narrow quarters are crowded almost to suffocation, yet they are far more commodious than we at first imagined it possible to secure. They have answered an admirable purpose. The school has been carried on with as much efficiency as ever, and this year we present to you for graduation the largest class we have had. It is a class of whom we are proud, and is composed of nine young ladies and seven young gentlemen, who are excelled in scholarship, in character and in worth by no class which has gone forth from our halls. Nine classes have now been trained by us and sent forth to do good among mankind. Ten years have passed since the school was opened, and with the exception of the destruction of our building, our prosperity has been uninterrupted. The numbers in school have steadily grown, and the character and attainments of the students have advanced.

It is therefore a favorable time to review our history, and to state very briefly some of the results of our labors. The money drawn from the State treasury has been about two hundred thousand dollars; an annual average expenditure of twenty thousand dollars. The average number of students per year has been not far from three hundred and fifty, rising during the year now closing to five hundred and forty. Of this number eighty-one have graduated. Among these persons there are now sixty-seven actually engaged in the work of teaching. The benefits of the school to the community are not measured by its graduates or the work they have done in the line of teaching. The influence it has had on the individual pupils who have been instructed, and the ideal it has held up before the public, as well as the information it has scattered and the enthusiasm it has awakened among the people, are really more valuable than the work of its graduates.

But as this is a Normal school, and as it proposes to educate teachers, the real questions are, do the students teach schools after they are educated here, and do they teach better than they would have done? There can be no doubt on either of these points to one who carefully examines the whole matter. Both of these points

have been so often argued in previous years that I deem it inexpedient to do more than mention them at this time. The past winter we had information that over five hundred and ninety of our former pupils were teaching in fifty-eight counties of the State, and their wages, as reported, averaged something over forty-two dollars per month. The average of teachers' wages for the whole State is commonly set down as not exceeding thirty-six dollars. A fact like this indicates the value of the training our school gives better than any argument could.

The number of students who have been connected with it during these ten years has been 2,257. Some of these have remained a time not exceeding a month, and some have been in the school for eight years, beginning in our Training school as primary students and going on to the highest classes. The value in money to a young person of a year's study is not easily estimated, but some guesses have often been made, and good judges have put it as high as \$500. Others, who wish to reckon it by the money which the student must expend for tuition or instruction alone, reduce it to about \$90. If we value it at a sum which, if put at interest, would produce the extra wages an educated man or woman would receive above an uneducated one, we shall carry it above the \$500, and probably above \$1,000. The ordinary wages of a common unskilled and ignorant laborer, who carries the hod or works on a farm, is certainly not above \$400 a year, while the wages of a young woman qualified to teach a school, often goes above that to at least \$600, and that of a man fitted for the work of life as a teacher rises to at least \$1,000. The difference is \$600, the interest of a capital of \$10,000. It would be fair to deduct from this sum the amount expended in obtaining this education, say \$500 a year for six years, if you please, and it still leaves a large margin of money profit which a school like ours distributes to the community.

But we should remember that the child is to be supported whether he gains an education or not, and that the education is valuable aside from and above its pecuniary worth. It would therefore be safe to say that each year's training given in a school like ours is worth to the State, aside from the board and support of the pupil, not less than \$200. Our 2,257 students have averaged a time with us of about two years—a little more—which would give 4,514 years of instruction and discipline. This calculation carries the worth of our school to an amount which may well astonish ourselves. And yet who will dare to say it is an extravagant estimate? If we reckon all the money the State and the city of Carbondale have given to build and support the school in the fifteen years from the time when its establishment was agitated, in 1868, down to the present year, the total amount can not exceed a half million—but little more than the State receives in a single year from the Illinois Central Railway Company—while the benefits accruing to the children of this section, can not be counted properly at less than a million. It may be argued that the State need not undertake this work, because private enterprise would give all this to the people. But it did not do it. This section was to a great extent without facilities for education before our school was established. Children were sent abroad for their schooling at large expense.

Since this University was founded most of this work has been done at home by the State, at a cost to the tax payers of less than the hundredth part of a cent levied annually on the value of each man's estate; and certainly one-half of those who have profited by the State's liberality, would not have enjoyed the education they have now received had this school not been established.

A word more, however, as to the value of an education may not be inappropriate in view of the controversy being carried on, partly in the newspapers of this State, and more largely and earnestly by the people themselves in their daily intercourse with each other, respecting the propriety of rebuilding our burned edifice, and this time I quote in substance the statements of the president of a college in the West. I do not give his words nor the name of the college, only the facts as he very briefly puts them before the public. "A class of twenty young men has just graduated. They have spent four years in college. The annual value of their wages before entering college was, according to careful inquiries made of them as individuals, less than \$5,000, or \$250 each. The salaries at which they are all engaged to work for the first year after their graduation, aggregate over \$15,000, or \$750 each. Some get over \$1,000 a year, and none less than \$600." Here four years' study actually trebles the ability of twenty young men to earn wages for themselves. How does it affect their power to profit the community by labor? I might draw an illustration of a similar sort from almost any of our graduated classes, but for obvious reasons personally affecting the young people themselves I do not attempt it. This increased value of the work of our students—indeed that of any student—accrues very greatly to the public. The simple hod carrier, who earns \$1.00 or \$1.50 a day, brings a certain profit to the community among whom and for whom he works. He is not a pauper and he adds to the value or wealth of the world above his own support. The building he helps to complete is worth considerable more to the world than its cost in materials and labor, and this simple laborer has given his proper proportion of it to mankind. So the young men and the young women, who, by sacrifice and study, fit themselves honestly to earn larger salaries have, in so far as they have paid their own expenses, actually conferred a benefaction on the public. If he keeps a better school and gets a better salary for it, he has blessed the world and is entitled to its gratitude. And if the State has in part paid his expenses of tuition, books, apparatus, etc., it has only invested its money in facilities, by which it is to reap advantages.

Now, the actual part which the State, in case of a Normal school like ours, pays to assist the student to prepare himself to earn more wages for himself, and to do better and more valuable work for others, is comparatively small. The State gives to each student in our school annually about fifty dollars' worth of instruction. Taking into account interest on the outlay for building, it will not exceed \$75 a year. The student pays his own board, clothing, traveling expense, books, and gives his time, averaging as above stated, \$250; or, at the smaller and probably juster estimate, for men, women—boys and girls, as students are—very nearly \$175. Put all these together, and the student's personal contribution to

the commercial wealth by making himself a better man or a better woman, a better citizen, as well as a better worker or teacher, is not less than from \$300 to \$500 a year, as against the State's highest figure \$75. He himself, indeed, afterwards profits by reaping threefold wages.

But how much profit does the State gain by having a teacher who can work on the system which it has marked out in its law, and which it provides machinery to carry forward under its superintendents, State, county, municipal and district? The late President Garfield once said: "I had rather have a log cabin for a school house and a puncheon for a seat, with a live and educated man like Dr. Hopkins at one end of it for a teacher, than have a fine palace for a school house and have a dunce for an instructor." The policy of the State and of the cities and districts has too often been to build fine buildings for schools and then hire cheap teachers. A city in Wisconsin built a thirty thousand dollar house and hired a six hundred dollar principal and three hundred dollar teachers. The true policy is to get the teacher who is educated, enthusiastic, up to the times, full of the spirit of education. And the State had far better spend money to make or to inspire such men than in any other way. It is said of Lord Nelson that after the victory at Cape St. Vincent over the Spanish fleet, he went on board of the captured vessels to inspect them. On returning to his own vessel he said to his friend, a favorite officer: "Collingwood, what a pity the Spanish navy yards can not build men as they can ships! If their men were equal to their ships, we might not be coming away from those vessels as we are, conquerors!"

Our State has a magnificent system of schools. It has invested in school buildings in the cities, villages and districts not less than twenty millions of money. It pays out annually about eight millions—more probably, in all ways, not less than ten millions—for the education of its children. For a population of almost four millions this is not a great burden. But it must and should not be wasted or ill managed. The whole of the profit of it depends primarily on the teachers employed annually in these schools. Put into the public schools good teachers, let them educate the children rightly, and the value of those children will be enhanced not merely three-fold, but a hundred-fold. As much as an intelligent man or woman is more useful and able than a stupid boor, so much is the worth of education given by one who can inspire as well as teach. Real teachers are wanted. How can the State obtain them? In one of three ways. By paying them such wages as they themselves may fix, as it does its lawyers and physicians—wages ample enough to cover all expenses of education and time—or by giving them the knowledge partly at the State's expense and then demanding that they in return teach a given length of time, or compel them to attain a certain grade of knowledge and it may fix the salaries by boards as now done, and then it will get teachers who, as the State Superintendent of Ohio says is the case in his State, will waste a full half of the money expended. The cheapest as well as the most effective plan, is for the State to educate only in part, but to do this on the line of its own system of schools, making them somewhat uniform and always full of the public spirit of the popular education.

A few thousand dollars spent thus at a few schools on a few scholars will create a public opinion, and a demand for better teachers will set up a standard to which all must in a short time conform, and will advance the whole line of instruction throughout the commonwealth. And here is one of the difficulties we encounter. Too many teachers of the old style find themselves thrown out of employment by the demand for young and better educated ones, and they cry out against Normal schools. Too many directors find the standard of qualifications and wages rising upon them, and they cry out against new methods. The better teaching does call for better wages, and such men fail somehow to comprehend that these higher wages imply a more rapid and thorough communication of knowledge, and, of course, a far greater value given to their children as laborers, and especially as citizens. But these are points which really do not need to be argued. They do, however, need a constant repetition. For they are, in the rush of business and even in the temptation to superficial thinking, in danger of being overlooked, and the time given to considering them can not be said to be thrown away.

The great question, however, which absorbs all our minds, and, indeed, should properly be before all others, is that of rebuilding our burned edifice. Shall the ruins stand in their desolation a monument of education neglected and despised, a monument of the lack of enterprise of the people and of discouraged endeavor to elevate our school teachers? Or shall that once noble building arise from its ashes in better condition, in finer proportions, and to a career of greater influence? Shall the people of Southern Illinois, lately enjoying equal advantages with the other parts of the State, be deprived of what they have greatly profited by, or shall their facilities for educating their children and their teachers be restored, if not enlarged? Let it be remembered we have paid our full share to build up all the other educational and charitable institutions of the State, that distance or proximity is a great element in estimating the advantages derived from these institutions, and that the State itself, by refusing to appropriate money to enable us to insure our noble building, has really deprived us of the power to restore it. We have been equal tax payers for the privileges which all may enjoy. The State has distributed its facilities for enjoying its own bounties, and by a most untoward accident this part of the commonwealth is left destitute.

We feel mortified to think of the disaster of the fire, uncontrollable as it was. Certainly we had supposed the appliances for extinguishing a fire were ample. We had water tanks—arranged when the building was erected—hose had since been provided, and ample faucets for jets of water; a steam engine was ready. But most unfortunately, the tanks had been originally placed too low beneath the roof, and the fire caught above them. Consequently, no jet of water could reach it. It was also found that when the steam engine could be got to work, there were no stop-cocks to shut off the water from the tanks, and thus force it through the hose independently of these tanks. Water buckets, then, were our only reliance. But the fire, being under the roof, had immediately on its breaking out filled the whole of the immense space over the rooms

of the Mansard story with smoke so dense that no one could live there, or reach the only trap door out to the roof itself. There was then absolutely no chance whatever to fight the fire from any quarter.

At the time of the discovery of the fire the school was in session, and as soon as every attempt to control the fire had been thought of and tried only to fail, the professors, the students and citizens gave themselves up with an intelligent system and an energy to the work of saving what property could be removed, and in an hour and a half the larger part of the movable furniture, apparatus and library was safely carried from the burning building. This was done in most instances so carefully that even very small and delicate articles were as well preserved as if they had been packed by a salesman for distant transportation. The order and zeal, the force and wisdom with which our students, both the ladies and the gentlemen, worked, in many cases almost independent of suggestion, and commonly without supervision, can not be too highly praised. Indeed, their quiet and ready apprehension of the dangerous situation and the necessities of cautious haste under the appalling circumstances of the hour, commended them to the confidence of their teachers, as nothing else could have done, and showed the value of the training they had received. And when we, on that evening, made our very simple arrangements to carry on the school in rooms hired in the city, or so promptly and generously donated for the time by the citizens of Carbondale, the orderly and cheerful manner in which they continued in the line of duty was so admirable that it should endear them to the public, and it certainly goes far to prove that the work of the institution has been to the State an invaluable boon. A trained fire company or a salvage corps in a city, where such calamities are a weekly occurrence, could scarcely have gone about their duty with more intelligence and efficiency, and certainly not with more persistence and celerity.

While the building was burning telegrams had been sent to various places, and the fire companies of Cairo and Murphysboro came to assist; but they were too late to accomplish anything more than show their earnestness and sympathy.

And the citizens of Carbondale showed a spirit of sacrifice and helpfulness which can, with difficulty, be comprehended by persons at a distance. Before I had time to reach my house messages and letters had preceded me in making offers of rooms gratuitously for use so long as they might be needed. Particularly, one came from Col. D. H. Brush which, in its heartiness and fullness of sympathy and kindness, was most gratifying and encouraging. Others made similar offers of assistance, which were carried out in a manner even more generous than they at first seemed.

The citizens had consulted with me on the grounds beside the smoking ruins of our University, especially the mayor of the city, Capt. E. J. Ingersoll, with his city marshal, who, let it be said here, was efficient in selecting watchmen for the scattered property; and it had been then agreed to hold a mass meeting that evening, at the Moody Opera House, to take into consideration what could be done in the emergency. The meeting came together, composed of citizens and students, and a few persons from the neighboring

towns. But comparatively little was said. several telegrams to the Principal, to the mayor, and to the editor of the Free Press had been received and were read. And it was there resolved to build a temporary structure, sufficient to furnish accommodations for the school until the session of the General Assembly, when the building will undoubtedly be rebuilt in even better style than at first. A plan was hastily, though happily, suggested by Mr. Isaac Rapp, and Mr. Charles E. Brush, and subscriptions were at once commenced for the work, and in less than two months of the most inclement weather, in a remarkably inclement winter, we were very creditably and comfortably housed, and pursuing the ordinary course of our school work. During the intervening days the recitations went on in rooms, the occupants of which removed from them, and in many cases made no charges for rent. It was an exhibition of patriotic duty to the State, as well as of interest in the students personally, and of benevolence to the public, which speaks for the credit of the citizens of the city of Carbondale.

The new buildings, our temporary quarters, were occupied on the past day of January, and had cost the individuals who combined to put them up \$5,700. Some of the rooms were not completely furnished, and, indeed, the weather would not admit of plastering the building, and it has been occupied, since we entered it, in a rude condition. But it has answered an admirable purpose. It should be plastered during the vacation, and in this way should be made so that the sound of recitation in one room shall not be so distinctly heard in the one next to it. Some more shelving should also be put in for our books and apparatus, and for the articles for the Museum, which are again very rapidly accumulating on our hands.

Of the work in the several departments I need say little. The professors have conducted their recitations, drills, examinations and exercises under many difficulties of course, but always, I believe, with as much success as in any previous year, and with, if possible, greater earnestness and devotion. They have shown, not less than the students, how a determination to perform duty can be carried forward under what might, at first, seem crushing adversity. And the development of character in both pupils and teachers, under the circumstances, has, I am sure, been as great as it could have been, if no disaster had overtaken us. Self reliance and fertility of invention have been fostered, and by the discipline and energy thus induced the State certainly will profit.

It may be stated concerning the plan of the temporary structure, that it is in the form of a Greek cross, having a large room at the intersection of the arms, in which the students assemble for general exercises and for study. This gives us sixteen rooms, all on the ground floor, and very conveniently located. They are, every one, too small, but they accommodate us after a fashion, and shelter us nicely. We can remain in them for a couple of years, probably, by crowding ourselves very compactly, till the General Assembly shall, in its wisdom, and with its sense of justice and its true regard for the interests of the whole commonwealth, vote the money to rebuild what was a pride to the State and a blessing to this section.

The several reports of the teachers accompany this, and are commended to your attention as showing a very eminent degree of attention to their work, and proving that each one has a large amount of duty for each term. The destruction of our building has added materially to the care and labors of each one, and not one, it is believed, has neglected a duty or failed in diligence at any time since our disaster. Every one gave largely to aid the citizens in their generous attempt to furnish our quarters. The students deserve commendation for their zeal and liberality, they having at a considerable sacrifice put into the hands of the building committee a very generous sum. And it should not be omitted that many of our former students sent cash and earnest sympathies. One donation particularly grateful, as it came unsolicited and from a quarter which has always shown us special sympathy. It was from the Illinois State Normal University, at Normal, and exceeded \$130. The promptness and cordiality of it gave to it more than a double value, and we trust that it marks the general sentiment of the educated teachers and the progressive young people and students of the State as to the necessity of continuing the school in operation, and in favor of rebuilding it at the earliest moment. I am sure the Board of Trustees appreciate all these evidences of kindness as truly suggestive of public opinion, and will do all in their power, as I know the teachers all desire to, that the school may be made better every succeeding year.

Indeed, gentlemen, your liberality and generous appreciation of our services has often touched our hearts, and the fact that you have in this most trying emergency maintained confidence in the management of the school, has been grateful beyond expression. The Principal wishes here to acknowledge your kindness, and as the event has shown, your wisdom, in, almost contrary to his desire, relieving him from the recitation room at the last Commencement. It was then found that the school had grown to such proportions in numbers of students that the work of supervising would occupy all his time and exhaust his energies. And the calamity, coming as it did, certainly demonstrated the propriety of leaving him free to do more of the general supervising. With the more special work of Prof. Hull in the Training department, much more has been done to give our students valuable practice in the recitation room, and they have certainly profited by it to a very large degree. This department has never been so efficient as during the present year under the care of Miss Sowers and Prof. Hull, and she leaves her work to Miss Alice Krysher, another one of our graduates, in the best condition for even greater success. From the beginning of the University it has been an object of desire to make a Training department an important part of our business, and at first it did seem that we had arrangements made to secure it. The distance of our building from the city and the unwillingness of parents to send the small scholars so far, appeared to be such potent factors in the problem as to render our success doubtful. The number of primary pupils sent to us to be taught in the Training department dwindled to so small a number, that the school was discontinued. But in the last two years there seemed to be a growing demand for the renewal of the experiment. It was at once determined that if forty pupils could be ob-

tained a Training department should be opened and put on a more secure and satisfactory basis. The number was reached at once, and more stood waiting to come in whenever a vacancy occurred.

Miss Sowers, a graduate of the University, as stated above, was employed, and the work has been a success from its reopening. It has done an excellent work for the small pupils themselves. They have learned, in a much better manner than is common with children of their ages, to read, and especially to state in words of their own choosing what they know or have read. Indeed, I have never met with children of their age who have so good a command of proper English, or who have acquired so large a fund of general information. The University during the first year used a part of its library fund to purchase about two hundred volumes of children's histories and story books—juvenile works on natural history and books of travel and description. The pupils have used these very industriously, and they have profited by them to such an extent that they can tell in an intelligent manner many of the great events of history. They may not have learned so much concerning arithmetic and grammatical parsing as some of their age, but they do know far more of the world in which they live, and the different plants and animals on its surface, than is common for children of sixteen or eighteen. And what is more to our purpose, they can tell it; and they have been acquiring a relish for good books and a real love for the knowledge which they promulgate.

One of the grandest results to be expected of our public schools is that it shall so lay an emphasis on good reading as found in permanent books—not wholly in the periodical literature of the day, newspapers and magazines, necessary and instructive as these are made by our civilization. And the benefit to these smaller pupils has in this direction been immense. We have tried to make it so that every parent who should send his child to this department of our school should, on the whole, gain by it. And we think that Professor Hull and Miss Sowers have, without possibility of dispute, proven that such patrons and their children have been gainers by their choice of paying our little fee in addition to what the tax rate compels them to pay to the public school.

But our Training department has altogether another object as its primary motive. It is to be, in addition to what is above claimed for it, a place in which our Normal student, who intends to graduate and afterwards teach school, shall be inducted into the experience of teaching. He is to be a pupil teacher in this Training department of ours. We expect him to spend at least one hour a day for a year in this work. First, he is required to be present at some of the recitations and exercises of this department and make observations of the method of teaching, of governing, of controlling, of securing order and attention; to note the tact of the teacher in avoiding difficulties and overcoming obstacles, and of conveying lessons of value, of giving knowledge not in the text-book, and finally to mark all the order and movement and enthusiasm or spirit of the school. He is next required to teach a class under the eye of the superintendent or the assistant, and to receive criticisms and suggestions. And, lastly, he is to try for himself, by his own tact, to

control, to govern, to stimulate and to interest the class, and make his report thereof. He must therefore watch processes and apply principles, and by this practice fit himself to act independently. Thus he goes forth to his work of teaching, not a novice un-instructed and inexperienced, but with such a trial of skill and such an amount of furnishing as give him a large degree of the practical ability of a trained and disciplined teacher. It has been one of the best features of work for the past two years, and we hope to improve it in the future.

The year has been marked by the inauguration of a department of the German and French languages, under the care of a native German of large experience as a teacher and of competent knowledge of both of the languages, and of the philosophy of pedagogics—Professor John Bengel, late of the Michigan State Normal School. The number of pupils has been respectable and the department promises much usefulness to our section of the State, where the German is so much desired as a means of communicating with our cousins who come in such numbers to settle among us, and who themselves need the assistance of a countryman to assist them to acquire our language and to make themselves familiar with our customs and laws and our modes of speech.

In conclusion, allow me to say that we still have the highest hopes from our school. The Faculty are determined that no study, no sacrifice nor watchfulness on their part shall be wanting to make the University a power in the State and an honor to the great cause of universal education which it has been established to represent and to foster. I am certain the students who have been in attendance, and in especial manner those of them who have graduated, are inspired with the same great purpose.

The Faculty have carefully examined the following young ladies and young gentlemen, who have completed the course of study prescribed by your rules, and finding them well qualified, and knowing them to be of unblemished morals, recommend them to you to receive the diplomas of the University, viz:

In the Classical Course.

ALACIA E. BEESLEY,
GEORGE V. BUCHANAN,

JOSEPH B. GILL.

In the English Course.

FANNIE A. AIKMAN,
MAY T. BUCHANAN,
CLARA BUCHANAN,
CHRISTOPHER C. CAWTHON,
MAY B. DUFF,
LU BIRD HENDREE,

PHILETUS E. HILEMAN,
JOHN H. JENKINS,
RICHARD T. LIGHTFOOT,
MAUD THOMAS,
CARRIE L. RIDENHOWER,
CHARLES W. TREAT.

I remain, gentlemen, very respectfully,

Your most obedient servant,

ROBERT ALLYN.

REPORT
OF THE
CANAL COMMISSIONERS,
MADE TO THE GOVERNOR.

REPORT OF THE COMMISSIONERS.

OFFICE OF THE CANAL COMMISSIONERS OF THE STATE OF ILLINOIS.
LOCKPORT, ILLINOIS, December 1, 1883.

SIR: In accordance with the requirements of law we have the honor to herewith submit our annual report:

ORGANIZATION OF BOARD OF COMMISSIONERS.

On the 18th day of April, 1883, the present Commissioners met in Springfield, received their commissions, qualified, and organized by the election of Chas. Bent as President, Geo. F. Brown, Secretary, and D. J. Calligan, Treasurer. On the 24th of April, the Commissioners met at the Canal Office, Lockport, and received the canal and property from the former Commissioners.

OFFICERS AND EMPLOYEES.

Wm. Thomas was reappointed Superintendent, and Wm. Milne, Chief Clerk, and the entire force of collectors and other employes of the canal were retained. No change has occurred except that made necessary by the resignation of I. N. Munson, Collector at Copperas Creek lock and dam, to take effect Nov. 15,—W. W. Hull, of Lewistown, having been appointed to fill the vacancy.

CONDITION OF CANAL, LOCKS AND DAMS.

Shortly after their appointment, the Commissioners made a critical inspection of the canal, and the locks and dams at Henry and Copperas Creek. The office and Superintendent's residence at Lockport and the residences of the collectors and locktenders were found to be in excellent condition. While we understood the canal to be in as good if not better condition than for some years, yet we found it to be very much in need of repair and improvement. The canal can doubtless be conducted for a few years longer, as it has in the past, with just enough repair to make navigation possible, yet at a no distant day a large sum of money, far more than the canal will be able to spare from its revenues, will be an actual necessity in order to place it in the condition it should be to afford proper facilities for transacting the business of the public. The Henry and Copperas Creek locks were also found to be in need of extensive repairs, and during the season of 1884 will receive proper attention.

At this date the canal is in as good a state of repair as it was last season at the close of navigation.

THE SEASON'S BUSINESS.

The present Commissioners assumed charge of the canal sixteen days after it was opened for the season of 1883, and found the prospects for business not at all flattering. The poor crop of corn for 1882, through the country tributary to the canal, and the excessively low rates offered by competing railroads in order to divert traffic to their lines, made the outlook very discouraging. Yet by prompt action on the part of the Commissioners in reducing the already low tolls to a still lower figure, and personal solicitation of large shippers of heavy freights, has enabled us to present a fair balance sheet for inspection.

A COMPARATIVE STATEMENT.

There was turned over to your Commissioners, by their predecessors, the sum of \$84,606.51. Notwithstanding the fact that we have paid a balance of \$5,560.83 for the building of a steamboat ordered by the former Commissioners, and \$1,500 for a barge made necessary by the construction of the steamboat, which amounts are not properly chargeable to the present Board; also \$2,576.11 on account of breaks in the Dayton feeder, and Morris and Dresden levels of the canal; \$746.43 to replace the fishway washed away by the spring floods at Dayton, and \$999.87 to remove the spoilrock, sand and other material deposited in the Utica level, through the fault of the Utica Cement Company, expenditures for which we are not at all accountable; and further, the loss caused by the obstruction of through navigation on the canal for fifteen days on account of the breaks, etc., above mentioned, and the shrinkage in business as compared with the season of 1882,—we have augmented the amount on hand, and have in the treasury at this date the sum of \$38,143.79 —\$3,537.28 more than was on hand at the time we assumed charge of the canal, and have therefore not found it necessary to draw upon the contingent appropriation made at the last session of the Legislature.

THE PUMPING WORKS.

The Chicago pumping works are not yet in operation. The Superintendent of the canal has been instructed to request the proper authorities to have the works operated during the present winter, that the Commissioners may have some practical demonstration as to what it may be necessary for them to do, to prepare for the supposed extra supply of water that the pumping works will furnish, and enable them to take suitable measures to provide for the same before the opening of navigation next season.

LAW SUITS.

The suit of the St. Louis and Peoria Packet Company, and Huse, Loomis & Co., brought against the Canal Commissioners for the collection of tolls from said plaintiffs at the Henry and Copperas Creek locks, and alluded to in the report of Commissioners for 1882, has been decided by the Supreme Court in favor of the Commissioners.

Suit has been brought by the Commissioners in the Circuit Court of LaSalle county against the Utica Cement Company to recover damages for causing the deposit of spoilrock, sand and other material in the Utica level of the canal.

Suit has also been brought by the Commissioners to regain possession of lot 7, block 35, Canal Trustees' new sub-division of east fraction of southeast fractional quarter of section 21, T. 39 N., R. 14 E., 3d P. M., in Chicago, which is occupied by other parties, the records showing that the canal has never parted with its title to said lot.

WATER POWER AT JOLIET.

When your Commissioners assumed charge they found Wm. Adam, by a lately rendered decision of the Supreme Court of this State, the owner of all the water passing down the DesPlaines river, not needed for navigation on the canal, and that the Commissioners therefore had no right to lease the surplus water or draw the same from the canal for manufacturing or other purposes. By this decision the State lost the right to collect rents from its former tenants on the Channahon level of the canal at and below Joliet, to whom it had leased water at an aggregate rental of \$1,000.00 per year. On May 12th, excessive high water washed out an abutment and the waste gates connecting the west end of what is known as the "Adam dam," with the canal bank of the DesPlaines river. Taking advantage of this situation, your Commissioners notified the owner, Mr. Wm. Adam, not to rebuild his dam against the canal bank. Mr. Adam not heeding the order of the Commissioners, an injunction was obtained restraining him. We are gratified to be able to state that in consequence of our prompt action, Mr. Adam deemed it best to make a settlement, which is greatly to the advantage of the State.

By this agreement Mr. Adam is given a first right to 18,000 cubic feet of water which flows over dam No. 2, and which is first entirely used by the State's lessees on that dam; the canal next has the right to 12,000 cubic feet of water on the Channahon level, which it has already leased; any surplus over the 30,000 cubic feet mentioned may be equally divided between the State and Adam.

Inasmuch as the highest tribunal in the State had decided that the entire amount of water specified above was the property of Mr. Adam, we feel that a substantial victory was gained in obtaining this concession from Mr. Adam. By this settlement the Commissioners have been enabled to make leases by which the canal receives \$1,265.41 more than it received under its leases of last year.

We have also leased additional power on dam No. 2, to the amount of \$551.12 yearly.

COUNSEL IN THE LAKE FRONT CASE.

At the last session of the Legislature, the Commissioners were instructed to employ competent counsel to look after the interests of the canal so far as they may be involved in a suit pending in the Circuit Court of Cook county, entitled "The People of the State

of Illinois *vs.* The Illinois Central Railroad Co., the United States of America, the city of Chicago." In accordance with the advice of the Attorney-General of the State, who stated that the case would not be called for trial until during the present winter, we have deferred making the selection. Attention will be given to the matter in ample time for the protection of the interests of the canal.

THE OUTLOOK FOR 1884.

The prospect for business next season is not reassuring. One of the principal sources of revenue to the canal in former years, has been the carriage of the corn crop to market. This season the crop has been almost an entire failure along the line of the canal, and we can expect but small receipts from this source. The general depression in business will undoubtedly also be seriously felt. Yet we hope to maintain the canal from its revenues during the next season.

TABULATED STATEMENTS AND REPORT OF SUPERINTENDENT.

Complete tabular statements showing in detail the receipts and disbursements, and conveying other useful information, together with the report of Superintendent William Thomas, giving a full resume of the ordinary and extraordinary repairs, and improvements of the canal, and an approximate estimate of expenses and repairs for the year 1884, and to which especial attention is called, will be found in the pages following.

All of which is respectfully submitted.

CHARLES BENT,
GEO. F. BROWN,
D. J. CALLIGAN,

Canal Commissioners.

To JOHN M. HAMILTON, *Governor.*

Receipts and Disbursements of the Illinois and Michigan Canal, and locks at Henry and Copperas Creek, from December 1, 1882, to November 30, 1883, inclusive.

Balance on hand December 1, 1882, as per Canal Commissioners' report, page 11		\$50,122 96
RECEIPTS.		
ILLINOIS AND MICHIGAN CANAL.		
Receipts from all sources, to-wit:		
Tolls	\$77,975 70	
On notes	888 39	
Leases of water-power	6,184 45	
Leases of "90 feet strip" and lots	6,125 00	
Ice leases	1,327 00	
Sales of lots and lands	1,188 00	
Sales of "spill-bank" stone	445 25	
Sales of clay	2,943 41	
Little Wabash account	1,694 94	
Miscellaneous	7,475 21	
	\$106,197 35	
LOCKS AT HENRY AND COPPERAS CREEK.		
Lockage collected at Henry	\$2,609 94	
Lockage collected at Copperas Creek	2,047 18	
		110,854 47
		\$160,977 43
DISBURSEMENTS.		
ILLINOIS AND MICHIGAN CANAL.		
Total disbursements, to-wit:		
Charged to tolls and rents	\$30,826 37	
Charged to canal property	135 00	
Charged to maintenance and repairs	96,289 60	
Charged to Little Wabash account	5 00	
	\$116,755 97	
LOCKS AT HENRY AND COPPERAS CREEK.		
Disbursements at Henry	\$1,535 43	
Disbursements at Copperas Creek	4,542 24	
		122,833 64
Balance		\$38,143 79

NOTE.—The above balance is on deposit with Mechanics' National Bank of Peoria, Ill., to credit of Treasurer of Canal Commissioners.

For details, see tables marked, respectively, "A," "B," "C," "D," "E," "F," "G," "H," "I," "J," "K," "L," "M," "N," "O," "P," and "Q."

"A"—Tolls on Canal.

Date.	No. of rec't.	Name of Collector.	Where Collected.	Amount.
1882.				
December 31	6	Clarence C. Glover	Chicago	\$381 07
	7	William Milne	Lockport	62 51
1883.				
April 30	37	Clarence C. Glover	Chicago	2,717 09
	38	William Milne	Lockport	415 68
	39	William E. Coddington	Ottawa	181 68
	40	Duncan Campbell	Henry	97 87
March 31	50	Clarence C. Glover	Chicago	5,663 61
	51	William Milne	Lockport	987 64
	52	William E. Coddington	Ottawa	379 88
	53	Duncan Campbell	Henry	192 92
June 30	62	Clarence C. Glover	Chicago	8,131 22
	63	William Milne	Lockport	1,154 21
	64	William E. Coddington	Ottawa	587 75
	65	Duncan Campbell	Henry	266 06
July 31	80	Clarence C. Glover	Chicago	7,990 52
	81	William Milne	Lockport	891 79
	82	William E. Coddington	Ottawa	766 46
	83	Duncan Campbell	Henry	86 55
	84	Isaac N. Munson	Copperas Creek	134 54
August 31	92	Clarence C. Glover	Chicago	8,442 94
	93	William Milne	Lockport	1,769 19
	94	William E. Coddington	Ottawa	1,941 93
	95	Duncan Campbell	Henry	252 97
	96	Isaac N. Munson	Copperas Creek	8 64
September 30	110	Clarence C. Glover	Chicago	7,367 38
	111	William Milne	Lockport	3,528 37
	112	William E. Coddington	Ottawa	2,016 55
	113	Duncan Campbell	Henry	512 01
October 31	121	Clarence C. Glover	Chicago	7,948 20
	122	William Milne	Lockport	1,790 95
	123	William E. Coddington	Ottawa	2,386 51
	124	Duncan Campbell	Henry	220 81
November 30	158	Clarence C. Glover	Chicago	6,258 08
	159	William Milne	Lockport	963 25
	160	William E. Coddington	Ottawa	951 16
	161	Duncan Campbell	Henry	38 77
Total				\$77,975 70

"B"—Received on Notes.

Date.	No. of rec'pt.	Name.	Remarks.	Amount.
1883.				
February 9	19	Campbell Strachan...	Final payment.....	\$34 73
April 14	32	Hermann Benze.....	(old note, 20 yrs. sale)	753 66
			Total.....	\$835 39

"C"—Leases of Water-power.

Date.	No. of rec'pt.	Name.	Location.	Amount.
1883.				
January 3	10	Norton & Co.....	Lockport.....	\$1,368 50
22	16	G. W. Hyde.....	Dam No. 1, Joliet.....	681 10
February 13	21	Henry A. Sanger.....	Dam No. 2, Joliet.....	150 00
14	22	Edwin B. Sprague.....	Channahon.....	100 00
April 16	33	John E. Bush.....	Dam No. 2, Joliet.....	100 00
May 17	44	Ottawa Hydraulic Co.....	Ottawa.....	375 00
July 6	70	G. W. Hyde.....	Dam No. 1, Joliet.....	681 10
7	71	Norton & Co.....	Lockport.....	1,368 50
September 14	104	Marsh & Speer.....	Below Joliet.....	127 27
15	105	Edwin B. Sprague.....	Channahon.....	100 00
18	107	John E. Bush.....	Dam No. 2, Joliet.....	50 00
November 10	131	Ottawa Hydraulic Co.....	Ottawa.....	375 00
30	154	Henry A. Sanger.....	Dam No. 2, Joliet.....	707 98
			Total.....	\$6,184 45

"D"—Leases of "90 feet Strip" and Lots.

Date.	No. of rec'pt.	Name.	Location.	Amount.
1882.				
December 14	3	John Biardon.....	Sec. 25-37-10, near Lemont..	\$50 00
21	4	Jeff Carson.....	Bridgeport.....	750 00
1883.				
January 5	11	Ohio Butt Co.....	Morris.....	100 00
6	12	Michael Shehan.....	Bridgeport.....	50 00
11	13	Richard Hughes.....	Aux Sable.....	25 00
12	15	J. C. McMullin.....	Near Lemont.....	25 00
February 3	18	Stanton & Stage.....	North Joliet.....	25 00
12	20	C. H. Goold.....	Sec. 9-33-7, Morris.....	5 00
March 19	24	Philip D. Armour.....	Bridgeport.....	2,550 00
31	27	Allen Paper Car Wheel Co.....	Morris.....	100 00
April 13	31	Albert Randall.....	Sec. 17-34-9, Channahon.....	5 00
23	34	Chicago & Alton B. R. Co.....	Sec. 35-39-13.....	25 00
25	35	Henry Bilharz.....	Seneca.....	50 00
May 14	43	Sanger & Moody.....	Sec. 34-36-10.....	25 00
23	45	H. Koeritz & Co.....	Sec. 31-39-14, Bridgeport.....	10 00
June 13	57	James Clark.....	Sec. 9-33-2, Utica.....	50 00
22	60	Jeff Carson.....	Bridgeport.....	750 00
July 3	67	Joliet Steel Co.....	.....	25 00
7	72	Norton & Co.....	Lockport.....	200 00
9	73	A. R. King and John Ryan.....	Joliet.....	125 00
12	74	E. F. Pulsifer.....	Utica.....	50 00
16	76	Joliet Steel Co.....	Sec. 3-35-10, Joliet.....	100 00
August 16	89	City of Morris.....	Morris.....	20 00
31	90	H. S. Gilbert & Co.....	Utica.....	25 00
September 6	98	Houck & Brown.....	Sec. 3-35-10, Joliet.....	10 00
15	106	Philip D. Armour.....	Bridgeport.....	850 00
November 8	128	Joliet Steel Co.....	.....	125 00
			Total.....	\$6,125 00

"E"—Ice Leases.

Date.	No. of rec'pt.	Name.	Location.	Amount.
1882.				
December 6	1	Abraham Loyd.....	Morris.....	\$160 00
7	2	John M. Welch.....	LaSalle.....	70 00
1883.				
January 12	14	Henry Cook.....	Lockport.....	10 00
November 15	133	D. Sanderson.....	Ottawa.....	50 00
21	135	Huse & Loomis I. & T. Co.....	LaSalle.....	60 00
	136	J. D. Caton.....	Ottawa.....	161 00
22	137	M. & W. Callaghan.....	LaSalle.....	150 00
23	138	Robert D. Gray.....	".....	125 00
	139	Elieel Brewing Co.....	".....	50 00
	140	Edwin Porter.....	Joliet.....	45 00
24	141	Fred. Sehring.....	".....	55 00
26	142	Henry Holmes.....	Ottawa.....	385 00
29	143	County of LaSalle.....	Below Lock 12.....	5 00
			Total.....	\$1,327 00

"F"—Sales of Lots and Lands.

Date.	No. of rec'pt.	Name.	Description.	Amount.
1883.			Lots.	
September 19	108	Patrick McHugh.....	Lot 6, blk 39, blk 41, and lot 1, blk 43, all in North Joliet.....	\$325 00
			Lands.	
June 14	58	O. & W. Guthrie Ice Co..	Frac. E. of river, Sec. 15-33-12, quitclaim deed given.....	\$15 00
September 11	101	Griffin & Connelly.....	Frac. in Secs. 5-37-12 and 33-38-12.....	648 00
November 8	129	John Craughwell, trustee	Strip in NE. ¼ Sec. 9-35-10, North Joliet.....	40 00
	132	Martha Jane Wilson.....	Same.....	60 00
28	147	George W. Hyde.....	Same.....	100 00
			Total.....	863 00
				\$1,188 00

"G"—Receipts from Sale of "Spoilbank" Stone.

Date.	No. of rec'pt.	Name of collector.	Where Paid.	Amount.
1882.				
December 31	5	Clarence C. Glover	Chicago	\$3 25
1883.				
January 31	17	William Milne	Lockport	10 00
May 31	49	"	"	58 20
June 30	61	"	"	63 53
July 31	79	"	"	60 89
August 31	91	"	"	65 68
September 30	109	"	"	61 03
October 31	120	"	"	63 12
November 30	153	"	"	54 55
Total				\$445 25

"H"—Receipts from Sale of Clay.

Date.	No. of rec'pt.	Name.	Remarks.	Amount.
1883.				
March 23	25	Purington & Kimbell	Amount due on contract	\$162 94
29	26	T. & J. D. Tully		439 05
May 4	42	Purington-Kimbell Brick Co.	Clay from bank of canal, for making brick	84 96
June 2	55	"	Same	174 72
July 3	64	"	"	162 52
6	69	T. & J. D. Tully	"	87 30
23	78	McKenna & Carney	"	200 00
August 2	85	Purington-Kimbell Brick Co.	"	223 39
8	86	T. & J. D. Tully	"	74 25
87	87	Philip Lichtenstadt	"	200 00
September 3	97	Purington-Kimbell Brick Co.	"	104 41
7	99	T. & J. D. Tully	"	94 50
10	100	Philip Lichtenstadt	"	100 00
October 1	115	"	"	100 00
2	116	Purington-Kimbell Brick Co.	"	34 61
5	117	T. & J. D. Tully	"	85 50
November 2	126	Purington-Kimbell Brick Co.	"	205 29
7	127	T. & J. D. Tully	"	101 25
16	134	Philip Lichtenstadt	"	50 00
28	144	Purington-Kimbell Brick Co.	"	93 47
30	151	T. & J. D. Tully	"	65 25
Total				\$2,943 41

"I"—Miscellaneous.

Date.	No. of recpt.	Name.	From what received.	Amount.
1883.				
Mar 17	23	V. H. Seely	One old team of mules sold him ..	\$150 00
April 28	36	Joliet Elevator Co.	Use of engine	41 75
May 31	48	McArthur Bros.	Material furnished them for Bridgeport lock	773 56
July 14	75	Ryan Bros.	Oak lumber sold them	95 94
Sept. 14	103	M. Dinneen	Boat built for him	797 00
Oct. 9	119	N. J. Brown	Coal sold him	124 25
Nov. 9	130	Almond Thomas	"	333 00
29	149	M. Dinneen	"	155 71
30	150	Walter J. Fiddymont ..	Material and labor furnished ..	55 90
	152	William Milne, collector	Old material, sand, coal, etc., sold	997 24
	154	Sanger & Moody	Material and labor furnished ..	214 20
	156	Almond Thomas	Coal sold him	540 00
				<u>\$4,273 55</u>
May 28	46	George Turner & Co.	Bill for raising sunken boat "Cashier"	\$21 45
29	47	Bodenschatz & Earn- shaw Stone Co.	Bill for raising sunken boat "J. G. Bodenschatz"	46 13
Oct. 7	118	Paul J. Cox	Bill for raising sunken boat "Chi- cago Belle"	65 06
				<u>132 66</u>
June 16	59	Thurber & St. John	Bill for dredging	\$245 69
Aug. 10	88	McArthur Bros.	"	419 68
Sept. 12	102	Thurber & St. John	"	144 31
				<u>809 68</u>
June 5	56	Thomas Cooper	Freight on stone to Spring Lake ..	\$150 00
July 18	77	N. J. Brown	" coal to Lemont	133 87
Nov. 27	143	William E. Coddling	" stone to Ottawa, and labor	464 88
	28	City of Ottawa	Freight on stone to Ottawa, stone and labor	319 50
	146	Ottawa Hydraulic Co.	Freight on stone to Ottawa, ma- terial and labor	285 02
	30	William H. Gardiner ..	Freight on stone to LaSalle, tow- ing	901 25
				<u>2,254 32</u>
		Total		<u>\$7,475 21</u>

"J"—Charged to Tolls.

SALARIES OF COLLECTORS, CLERKS, INSPECTOR AND LOCKTENDERS.

Date.	No. of vo'ch'r	Name.	For What Expended.	Amount.
1882. December 31	1	William Thomas.....	Pay roll for labor.....	\$780 00
1883. January 31	37	"	"	780 00
February 28	70	"	"	753 75
March 31	110	"	"	745 00
April 30	168	"	"	1,028 38
May 31	218	"	"	1,022 50
June 30	268	"	"	1,042 33
July 31	363	"	"	1,057 50
August 31	428	"	"	1,057 50
September 30	492	"	"	1,057 50
October 31	554	"	"	1,057 50
November 30	614	"	"	1,057 50
February 28	106	Fillmore Millard.....	Cler. asst. to Treas. 3 mos	90 00
April 30	216	"	" 1 24-30	54 00
August 31	476	E. G. Calligan.....	" 4 6-30	126 00
November 30	670	"	" 5	90 00
March 31	167	William Milln.....	Auditing accounts.....	100 00
				\$11,899 41

REBATES ON TOLLS.

Date.	No. of vo'ch'r	Name.	Rebate on tolls—	Amount.
1882. December 31	34	Henry Burrell & Co.....	on clay	\$389 52
1883. June 30	344	Cone, Brown & Co.....	on lumber shipments...	89 02
	345	J. Q. Hall.....	"	1 49
	346	B. A. Wright.....	"	31 96
	347	N. S. Outright.....	"	105 82
	348	Paul J. Cox.....	"	21 11
	349	C. A. Zeller.....	"	30 92
	350	H. G. Anderson & Co....	"	24 86
	351	Ira Smith & Son.....	"	54 03
	352	Jos. Miller & Sons.....	"	39 93
	353	Proctor & Tripp.....	"	46 80
	354	Jeff Carson.....	"	75 73
	355	John Hancock.....	"	101 07
	356	W. H. Ballard.....	"	34 39
	357	V. Jobst.....	"	26 91
	358	A. W. Henderson.....	"	76 05
	359	Henry Bush.....	"	154 29
	360	Joseph St. Julien.....	"	62 25
	361	William Vedder.....	on grain	39 94
	362	Alfred Delaurier.....	"	22 43
July 31	408	J. N. Shuler.....	on lumber	96 01
	421	H. C. Strawn.....	"	24 49
	422	A. W. Henderson.....	"	111 77
	423	Thomas Nicholson.....	"	58 75
	424	B. A. Johnson.....	"	18 89
	425	Patrick Mitchell.....	"	39 10
	426	Charles Spicknell.....	"	168 14
	427	G. C. Griswold & Co....	on grain	260 08
August 31	477	J. N. Shuler.....	on lumber shipments...	33 19
	478	H. C. Strawn.....	"	32 19
	479	Cone, Brown & Co.....	"	112 29
	480	N. S. Outright.....	"	49 93
	481	B. A. Wright.....	"	46 41
	482	J. Q. Hall.....	"	76 38
	483	Jos. Miller & Sons.....	"	191 07
	484	M. F. Meints & Son.....	"	126 44
	485	Proctor & Tripp.....	"	69 14

Charged to Tolls—Continued.

Date.	No. of vo'ch'r	Name.	For What Expended.	Amount.
1883.				
August	31	486 Rogers & Binnian.....	Rebate on tolls—	
		487 Jeff. Carson.....	on lumber shipments....	\$13 65
		488 John Hancock.....	" " " " " "	214 36
		489 Weiss & Co.....	" " " " " "	116 87
		490 Joseph St. Julien.....	" " " " " "	47 04
		491 G. C. Griswold & Co.....	on grain shipments.....	78 44
September	30	551 J. N. Shuler.....	on lumber shipments.....	254 84
		552 E. C. Strawn.....	" " " " " "	116 01
		553 G. C. Griswold & Co.....	on grain shipments.....	37 56
October	31	602 J. N. Shuler.....	on grain shipments.....	417 40
		603 E. C. Strawn.....	on lumber shipments.....	115 75
		604 Cone, Brown & Co.....	" " " " " "	22 81
		606 J. O. Hall.....	" " " " " "	147 22
		606 N. S. Cutright.....	" " " " " "	27 64
		607 Ira Smith & Son.....	" " " " " "	46 03
		608 J. Miller & Sons.....	" " " " " "	36 30
		609 M. F. Meints & Son.....	" " " " " "	73 28
		610 Jeff. Carson.....	" " " " " "	11 42
		611 W. H. Ballard.....	" " " " " "	97 24
		612 George W. Rankin & Co.....	" " " " " "	44 81
		613 G. C. Griswold & Co.....	on grain shipments.....	109 71
November	30	672 E. C. Strawn.....	on grain shipments.....	187 83
		673 Cone, Brown & Co.....	on lumber shipments.....	23 99
		674 R. A. Wright.....	" " " " " "	29 06
		675 N. S. Cutright.....	" " " " " "	32 15
		676 Rogers & Binnian.....	" " " " " "	13 78
		677 E. G. Anderson & Co.....	" " " " " "	123 03
		678 Ira Smith & Son.....	" " " " " "	52 47
		679 Jeff. Carson.....	" " " " " "	63 17
		680 John Hancock.....	" " " " " "	238 92
		681 G. C. Griswold & Co.....	on grain shipments.....	86 29
				64 38
				\$5,886 24

COMMISSION ON LUMBER SHIPMENTS.

1883.				
May	31	287 Alex. Storts.....	Commission.....	\$25 00
June	30	343 " " " " " "	" " " " " "	53 00
July	31	420 " " " " " "	" " " " " "	61 00
August	31	476 " " " " " "	" " " " " "	51 00
November	30	671 " " " " " "	" " " " " "	130 00
				320 00

INCIDENTALS.

1882.				
December	31	35 Ottawa Hydraulic Co....	½ ice rent at Ottawa.....	\$298 00
1883.				
January	31	67 A. J. Mathewson.....	Services as civil engineer.	7 50
		68 E. F. Bull.....	Legal services, expenses.	134 10
May	31	286 Robert Wilson.....	Services as civil engineer.	60 00
June	30	341 A. D. Hill.....	Collector's blanks.....	67 00
August	31	474 " " " " " "	Letter-heads, envelopes..	8 75
September	30	547 Olin & Phelps.....	Legal services.....	500 00
		548 G. D. A. Parks.....	Legal services, expenses.	526 92
		549 E. F. Bull.....	" " " " " "	568 23
November	30	668 G. A. M. Liljenerantz ..	R. R. fare and expenses,	
			surveying, labor.....	26 00
		669 Robert Wilson.....	Same.....	24 22
				2,220 72
			Total.....	\$20,326 37

"K"—Canal Property.

Date.	No. of vcher.	Name.	For What Expended.	Amount.
1883.				
March 31	164	J. M. Pierce	Surveying and making plat	\$25 00
September 30	548	G. D. A. Parks	Legal services	100 00
	550	Alex. Wolcott	Surveying and making plat	10 00
			Total	\$135 00

"L"—Maintenance and Repairs.

Date.	No. of vcher.	Name.	For What Expended.	Amount.
1882.				
Dec. 31.	1	William Thomas	Pay-roll for labor	\$250 00
	2	William Keough .....	.. ..	675 71
	3	Orange Thomas .....	.. ..	424 80
	4	Almond Thomas .....	.. ..	588 37
	5	John Sheely .....	.. ..	802 61
	6	Dennis Shannahan .....	.. ..	618 50
	7	Kilbourne & Jacobs Co.	Wheelbarrow trays	35 00
	8	McArthur, Smith & Co.	Lumber	16 63
	9	Henry W. King & Co.	Horse-blankets	21 00
	10	Jones & Laughlins	Iron, steel, nuts, bolt-ends	221 39
	11	Parkhurst & Wilkinson	Drills	41 93
	12	Fleming & Bauer	Oil-heater	18 50
	13	W. J. Acker	Maple and ash lumber, freight	43 18
	14	H. W. Emery	Timber	796 21
	15	Simon Simandl	Lumber	56 91
	16	D. C. Baldwin	Nails, iron, pipe, bolts	8 56
	17	F. Gass	Material for bedding for boats	17 55
	18	Mrs. Olive L. Ingraham	Making and repairing bedding for b'ts	6 70
	19	Chicago & Alton R.R. Co.	Freight	54 20
	20	William Thomas	Expense supt. print'g, wash'g for office	20 70
	21	Rosanna Rogan	Stabling	7 00
	22	Silas Munson	Corn	10 00
	23	Haberlin Bros.	Iron, nails, bolts, salt, tin	20 13
	24	Hapeman & Graham	Envelopes, time-books, wall-paper	17 34
	25	Corcoran & Schaefer	Horse-blankets, repair'g harness, oil	7 00
	26	H. C. Strawn	Flooring, plank, moulding	25 37
	27	J. N. Shuler	 timber	31 59
	28	William Stormont	Castings, machine work	15 07
	29	M. Stiefel	Oats	51 21
	30	John Leonard	Shoeing horses	16 60
	31	William E. Codding	Stone	133 08
	32	Utica Cement Assoc'n	Cement	83 14
	33	E. F. Pulsifer	Lumber	23 61
1883.				
Jan. 31.	37	William Thomas	Pay-roll for labor	250 00
	38	William Keough .....	.. ..	860 12
	39	Henry G. Eddy .....	.. ..	587 16
	40	Orange Thomas .....	.. ..	804 75
	41	Almond Thomas .....	.. ..	780 00
	42	John Sheely .....	.. ..	159 74
	43	Dennis Shannahan .....	.. ..	348 85
	44	Chicago Telephone Co.	Rent of telephone instruments	80 00
	45	Western Telephone Co. .....	.. ..	20 00
	46	Wells & French Co.	Timber, castings, washers	250 73

Maintenance and Repairs—Continued.

Date.	No. of v'cher.	Name.	For What Expended.	Amount.
1883.				
Jan. 31.	47	S. J. Surdam & Co.	Shovels, picks, handles.	\$36 25
	48	Jones & Laughlins.	Nails, nuts, washers, iron.	306 55
	49	S. C. Sibole.	Oak and maple lumber.	589 80
	50	J. P. Doig.	Recutting files.	11 30
	51	John Riley.	Ear corn.	14 50
	52	William Thomas.	Expenses as superintendent, January.	24 40
	53	William Keough.	Com. R. R. fare, extra board of men.	30 15
	54	Henry G. Eddy.	Telegrams, R. R. fare, exp'n'ses to Mich.	13 55
	55	Chicago & Alton R.R. Co.	Freight.	130 07
	56	W. Sandiford.	Castings.	11 74
	57	John Hannah.	Oats, ground feed.	5 57
	58	T. B. Handwerk & Co.	Clamps, repairing telephone wire.	8 00
	59	John Nelson.	Flooring.	7 60
	60	Hapeman & Graham.	Time-books, stationery.	8 90
	61	Hæberlin Bros.	Axes, bolts, steel, salt, tin.	9 42
	62	M. Stiefel.	Oats.	78 41
	63	John Leonard.	Blacksmithing.	17 01
	64	Almond Thomas.	Fr't on cement, R. R. fare, post'ge, tel's.	41 80
	65	Utica Cement Associa'n.	Cement.	37 00
	66	B. F. Shaw.	Expenses as Commissioner, 2 months.	65 30
Feb.	70	William Thomas.	Pay-roll for labor.	250 00
	71	William Keough.	" "	807 25
	72	Henry G. Eddy.	" "	589 73
	73	Orange Thomas.	" "	681 50
	74	Almond Thomas.	" "	1,619 62
	75	Dennis Shannahan.	" "	189 92
	76	Alston Manufacturing Co.	Oil, lead.	64 75
	77	Geo. B. Carpenter & Co.	Oakum.	54 50
	78	Jones & Laughlins.	Spikes, drill, augers, iron.	70 98
	79	M. J. Tearney.	Powder, fuse.	13 15
	80	D. C. Baldwin.	Steel, iron, nails, bolts, washers.	15 11
	81	William Bradley.	Paint, glass, stationery.	27 25
	82	James H. Alexander.	Oats.	98 37
	83	Chicago & Alton R.R. Co.	Freight.	74 44
	84	U. S. Express Co.	Expressage.	3 25
	85	William Thomas.	Expenses as superintendent, February.	14 55
	86	William Milne.	" to Springfield, telegrams.	7 91
	87	William Keough.	R. R. fare, zinc, extra board of men.	37 80
	88	James Bruce & Co.	Use of men and teams.	24 50
	89	Joliet Steel Co.	Iron, repairs on boiler.	96 37
	90	Wilcox Bros.	Door, lumber.	6 68
	91	P. J. Westberg.	Brooms.	3 92
	92	A. Armstrong.	" "	5 00
	93	E. E. Bates.	Files, blacksmithing, salt, brooms.	31 45
	94	Patrick Briscoe.	Ear corn.	14 05
	95	Stlas Munson.	" "	9 40
	96	John Hannah.	Ground feed.	2 19
	97	Hæberlin Bros.	Picks, shovels, bolts.	57 69
	98	Hapeman & Graham.	Letter-book, wall-paper, pencils.	19 34
	99	Corcoran & Schæfer.	Repairing harness.	7 10
	100	M. Stiefel.	Oats.	57 88
	101	J. N. Shuler.	Lumber.	13 60
	102	E. Y. Griggs.	Wagon-grease, paint, lamp-chimn'ys.	3 00
	103	John Leonard.	Shoeing horses, blacksmithing.	5 90
	104	Almond Thomas.	Slack coal, telegraphing, stabling.	11 99
	105	Utica Cement Associa'n.	Cement.	10 00
	106	Joseph O. Glover.	Expenses as Commissioner, 3 months.	6 20
	107	Martin Kingman.	Expenses as Commissioner, 3 months.	56 50
March 31	110	William Thomas.	Pay-roll for labor.	250 00
	111	William Keough.	" "	740 14
	112	Henry G. Eddy.	" "	1,152 91
	113	Orange Thomas.	" "	309 25
	114	Almond Thomas.	" "	1,421 21
	115	John Sheely.	" "	258 85
	116	Denis Shannahan.	" "	370 30
	117	Moses Y. Moody.	" "	321 55
	118	Lewis Cook.	" "	318 00
	119	Wilmington Coal Ass'n.	Coal.	110 00
	120	Alston Manufacturing Co.	Oil, paint.	29 50
	121	Geo. B. Carpenter & Co.	Rope, marline.	113 46
	122	A. H. Andrews & Co.	Folding beds, mattresses, pillows.	85 50
	123	Charles H. Besley & Co.	Tap and die.	7 50
	124	Jones & Laughlins.	Iron, steel, bolts, rivets, dredge chain.	163 25
	125	Fraser & Chalmers.	Repairs and fixtures for dredges.	94 56
	126	Clarence E. Glover, Coll.	Coal, labor, expressage.	12 45

Maintenance and Repairs—Continued.

Date.	No. of v'cher.	Name.	For What Expended.	Amount.
1893. March 31	127	S. C. Sibole.....	Oak and maple lumber.....	\$363 42
	128	Norton & Co.....	Lumber, coal, corn, machinists labor	102 57
	129	H. W. Emery.....	Lumber, flooring, moulding.....	96 64
	130	D. C. Baldwin.....	Bolts, washers, iron, screws.....	4 94
	131	Abe Rupley.....	Nails, hinges, labor, hardware.....	40 08
	132	Frank J. Knowles.....	Paint, oil, liniment, matches.....	24 88
	133	William Bradley.....	Brushes, oil, stationery.....	21 61
	134	A. J. Wadsworth.....	Straps, repairs on harness.....	12 35
	135	Michael Walter.....	Crockery, salt, brooms, pails.....	44 90
	136	F. Gass.....	Material for bedding.....	7 53
	137	Mrs. Olive L. Ingraham.....	Repairing bedding.....	3 70
	138	John H. Weeks, P. M.....	Postage stamps, wrappers, box rent.	23 93
	139	Chic. and Alton R. R. Co.....	Freight.....	47 84
	140	United States Ex. Co.....	Expressage.....	5 45
	141	William Thomas.....	House and office furniture, ex. Supt., superintending Bridgeport lock.....	653 47
	142	William Keough.....	R. R. fare, blacksmithing.....	15 05
	143	F. W. & H. B. Plant.....	Sash, blinds, windows.....	17 75
	144	W. Sandiford.....	Castings and labor on same.....	8 74
	145	Benjamin C. Wilder.....	Stabling teams, corn.....	9 40
	146	F. B. Handwerk & Co.....	Nails, looks, butts.....	8 60
	147	Haeblerlin Bros.....	Nails, bolts, iron, salt, steel.....	66 78
	148	Hapeman & Graham.....	Wall paper, stationery.....	19 04
	149	Corcoran & Shaefer.....	Straps for boat, repairing harness.....	5 50
	150	Ottawa Gas Co.....	Pipe and fixtures for well.....	12 71
	151	J. N. Shuler.....	Lumber.....	383 95
	152	M. Stiefel.....	Oats, corn.....	71 61
	153	E. Y. Griggs.....	Lead, oil, brushes, grease.....	58 69
	154	H. C. Strawn.....	Lumber and dressing same.....	30 12
	155	William Stormont.....	Castings and foundry work.....	31 40
	156	H. Smeeton.....	Gutter pipe and labor putting up.....	4 20
	157	John Leonard.....	Shoeing horses.....	16 00
	158	F. W. Rowe.....	Brooms.....	12 41
	159	Almond Thomas.....	Stabling, oats, freight, postage.....	6 88
	160	Michael Byrne.....	Lumber.....	18 96
	161	Marlin Kingman.....	Exp's as Comr., 1 month, telegrams.....	49 75
	162	B. F. Shaw.....	" " " "	11 75
	163	Dixon Telegraph.....	Letter heads, postage, expressage.....	250 00
	164	William Thomas.....	Pay-roll for labor.....	867 23
	165	William Keough.....	" " " "	394 03
	170	Henry G. Eddy.....	" " " "	524 75
	171	Charles Dimick.....	" " " "	1,753 12
	172	Orange Thomas.....	" " " "	421 25
	173	Almond Thomas.....	" " " "	444 50
	174	John Sheely.....	" " " "	9 75
	175	Denis Shannahan.....	Magneto bell.....	79 43
	176	Chicago Telephone Co.....	Oil, mixed paint.....	55 40
	177	Alston Manufacturing Co.....	Fold'g bed, mat'es, pillo's, st'oils, tabl's	133 89
	178	A. H. Andrews & Co.....	Rope, waste.....	8 50
	179	Geo. B. Carpenter & Co.....	Cylinder oil, jacket can.....	23 19
	180	J. N. Lighthall & Bro.....	Blacksmith coal.....	49 14
	181	D. Rutter & Co.....	Dre'ge'n, iron, st'el, nails, hor'shoes	45 00
	182	Jones & Laughlins.....	Use of boat "B. & C." towing.....	16 50
	183	Boyer & Corneau.....	Linoleum.....	43 80
	184	S. Nickerson.....	Stove, boiler, outfit for steamboat.....	40 00
	185	Henry Stuckart.....	Rent of office.....	7 00
	186	Charles C. Austin.....	St. car & R.R. fare, get'g logs out canal	15 00
	187	William Cook.....	Piles.....	7 77
	188	J. T. Allison.....	Fork, nails, butts, iron, screws.....	27 12
	189	D. C. Baldwin.....	Pipe, nails, hinges, wirecloth.....	16 40
	190	Abe Rupley.....	Clocks, oil, lead, liniment.....	8 80
	191	William Bradley.....	Crockery for steamboat.....	9 95
	192	F. F. Stowe.....	Oilcloth, crash.....	60 19
	193	F. Gass.....	Oats.....	90 26
	194	James H. Alexander.....	Freight.....	8 30
	195	Chic. and Alton R. R. Co.....	R. R. fare, stabling, old barrels.....	15 65
	196	William Keough.....	ex. board of men.....	3 83
	197	Henry G. Eddy.....	Iron, brick, time.....	60 37
	198	Brooks & Co.....	Iron, nails, time, salt, bolts.....	9 54
	199	Haeblerlin Bros.....	Wall paper, ink, time books.....	167 15
	200	Hapeman & Graham.....	Lumber, flooring.....	20 20
	201	J. N. Shuler.....	Sash, moulding.....	17 67
	202	Weiss & Wolf.....	Lumber, flooring.....	13 17
	203	H. O. Strawn.....	Castings and foundry work.....	3 58
	204	William Stormont.....	Pipe, elbows, union, waterguage.....	75 50
	205	H. Smeeton.....	Oil, lead, paint.....	
	206	E. Y. Griggs.....		
	207			
April 30				

Maintenance and Repairs—Continued.

Date.	No. of v'cher.	Name.	For What Expended.	Amount.
1888.				
April 30	208	John Leonard.	Shoeing horses.	\$11 40
	209	M. Dinneen.	Coal.	84 66
	210	W. H. Hull.	Comforters, duck.	20 12
	211	O. W. Bollmeyer.	Crockery for boats, reflectors.	6 85
	212	M. Stiefel.	Oats.	60 17
	213	Lewis Cook.	Wall paper, calcimining.	4 90
	214	B. F. Shaw.	Expenses as Com'r. April, tele'g'ing.	19 00
	215	Martin Kingman.	Exp'ses as Com'r. Ap'l, tele'ng, exp'ss.	23 25
May 31	218	William Thomas.	Pay-roll for labor.	250 00
	219	William Keough.	" "	913 49
	220	Henry G. Eddy.	" "	1,236 77
	221	Charles Dimick.	" "	489 38
	222	Orange Thomas.	" "	597 54
	223	Almond Thomas.	" "	1,845 28
	224	John Sheely.	" "	517 83
	225	Denis Shannahan.	" "	463 51
	227	Custom House, Chicago.	Ins'tion and admeasure'ent of steam'b't	38 50
	228	Pennsylvania Co.	Freight on oak timber and piles.	74 40
	229	Wilmington Coal Ass'n.	Coal.	88 00
	230	Alston Manufacturing Co.	Oil.	123 66
	231	Geo. B. Carpenter & Co.	Waste, rope, packing, duck.	44 58
	232	Chas. H. Besley & Co.	Dies.	5 50
	233	Harry Fox & Co.	Piles.	225 00
	234	George Bohner & Co.	Lamp chimneys, lantern globes.	5 60
	235	A. S. Piper & Co.	Hay, blacksmithing, towing, repairs.	53 05
	236	Fraser & Chalmers.	Mach'ry for steamboat, cleats, rep'rs	4,513 49
	237	Jones & Laughlins.	Nails, iron, nuts.	40 88
	238	Thurber & St. John.	Mate'al and labor rep'ing dredge flats	245 69
	239	S. Nickerson.	Linoleum.	63 75
	240	R. Chester.	Signals, oil cans, lamps for steamboat	47 48
	241	Clarence C. Glover.	Oil, postage stamps, ink, matches.	11 40
	242	William Cook.	R. R. fare, axe, wrench, coal.	16 00
	243	William T. Welbourn.	Hay.	17 04
	244	W. J. Acker.	Oak lumber.	280 45
	245	Norton & Co.	Lumber, coal, iron, windows, bran.	186 61
	246	Ryan Bros.	Labor of calkers, use of patterns.	32 00
	247	H. W. Emery.	Lumber, windows, paper.	142 87
	248	George Gaylord.	Lumber, coal.	21 58
	249	D. C. Baldwin.	Nails, iron, bolts, screws, locks.	15 23
	250	Abu Ruple.	Nails, pipe, labor, screws, hooks.	27 34
	251	William Bradley.	Lamp chimneys, stationery, oil.	11 19
	252	F. Gass.	Mate'al for bed'ing, crash, table cloths	31 96
	253	James Nolan.	Plastering.	12 00
	254	Amos Culver.	Oats.	91 61
	255	Mrs. Olive L. Ingraham.	Making bedding.	12 00
	256	J. H. Weeks, P. M.	Stamped envelopes, wrappers, box rent	33 31
	257	William Thomas.	Ex. as Supt. 2 mos., knives for mower	26 83
	258	Joseph Duso.	Nails, pails, oil, coal, grease.	3 30
	259	Emanuel Thomas.	Use of boat "Seneca."	62 24
	260	Joliet Steel Co.	Boiler iron, steel, labor.	78 23
	261	Chicago & Alton R. R. Co.	Freight.	4 49
	262	Wilcox Bros.	Lumber.	8 29
	263	W. Sandiford.	Castings, blacksmithing, labor.	2 46
	264	Mrs. E. Flick.	Stabling.	8 80
	265	Haeberlin Bros.	Wire cloth, nails, pails, iron.	31 77
	266	Hapeman & Graham.	Wall paper, letter book.	40 74
	267	Corcoran & Schaefer.	Repairs on harness, straps.	12 75
	268	J. N. Shuler.	Lumber.	83 58
	269	E. Y. Griggs.	Oil, paint, glass, putty.	13 45
	270	M. Dinneen.	Coal.	46 58
	271	W. H. Hull.	Duck.	5 00
	272	John Leonard.	Shoeing horses.	4 60
	273	James Barry.	Hay.	18 31
	274	M. Stiefel.	Oats.	63 09
	275	R. H. Trask.	Clocks.	6 00
	276	M. Kenny.	Shafts for wagon.	3 00
	277	W. E. Bowman, P. M.	Postage stamps.	10 50
	278	C. B. & O. R. R. Co.	Freight on oak lumber.	55 50
	279	C. R. I. & P. R. R. Co.	" "	68 13
	280	Almond Thomas.	Freight, postage, livery, oats, bolts.	16 65
	281	D. H. Tripp & Co.	Letter press, stand, stat'y for treas'er	31 60
	282	Joseph O. Glover.	Ex. as Com'issioner March and April	4 65
	283	Charles Bent.	" " April and May.	94 43
	284	George F. Brown.	" " " "	45 65
	285	D. J. Calligan.	" " " "	60 65

Maintenance and Repairs—Continued.

Date.	No. of v'cher.	Name.	For What Expended.	Amount.
1883.				
June 30	293	William Thomas.....	Pay-roll for labor.....	\$250 00
	294	William Keough.....	" " " " " " " " " " " "	817 66
	295	Henry G. Eddy.....	" " " " " " " " " " " "	1,224 03
	296	Charles Dimick.....	" " " " " " " " " " " "	469 27
	297	Orange Thomas.....	" " " " " " " " " " " "	532 33
	298	Almond Thomas.....	" " " " " " " " " " " "	1,765 67
	299	John Sheely.....	" " " " " " " " " " " "	474 50
	300	Denis Shannahan.....	" " " " " " " " " " " "	504 63
	302	Alston Manufacturing Co.	Oil.....	63 14
	303	H. W. Austin & Co.....	Pump and fixtures, hose.....	34 04
	304	Geo. B. Carpenter & Co.	Rope, oakum, canvas.....	67 28
	305	J. N. Lighthall & Bro.	Anti-incrustator, cylinder oil.....	43 50
	306	Jones & Laughlins.....	Nails, iron, bellows.....	39 68
	307	Fraser & Chalmers.....	Valves, springs, bolts, rep'rs on dredge	42 14
	308	Fitz Simons & Connell.....	Timber.....	89 23
	309	T. S. & A. J. Kirkwood.....	Felt, wire, asbestos paper.....	17 06
	310	Champlin & Spencer.....	Vise.....	4 50
	311	William Cook.....	R.R. and car fare, postage stamps, grease	10 00
	312	W. J. Acker.....	Oak timber and piles.....	162 01
	313	William Bradley.....	Stationery, glass, oil, brush.....	11 98
	314	F. E. Stowe.....	Crockery for steamboat.....	3 64
	315	John Marx.....	Tallow, grease, sheepskins.....	4 84
	316	Fred Winkler.....	Oats.....	76 18
	317	Chicago & Alton R.R. Co.	Freight.....	2 43
	318	U. S. Express Co.....	Expressage.....	4 55
	319	William Keough.....	R.R. fare, sewing canvas, mailing sheets	10 90
	320	Joseph Duso.....	Coal, bolts.....	28 55
	321	Emanuel Thomas.....	Use of boat "Seneca".....	98 87
	322	Isaac Nobes.....	Rip rap stone.....	25 78
	323	James Bruce & Co.....	" " " " " " " " " " " "	175 00
	324	Wilcox Bros.....	Lath.....	14 00
	325	U. Mack.....	Rubber boots.....	14 25
	326	Thomas H. Patterson.....	Lime.....	8 00
	327	M. Truby & Son.....	Corn, stabling, oats.....	12 10
	328	Charles C. Smith.....	Hay.....	103 35
	329	B. Burrell & Co.....	Ft. on lumber & shingles on bt. "C. of M."	18 87
	330	Daniel Shalde.....	Hay.....	6 75
	331	Haeberlin Bros.....	Nails, iron, zinc, washers.....	17 54
	332	Hapeman & Graham.....	Wall paper, letterheads, cornice poles	18 69
	333	Young & Kenny.....	Lumber, moulding.....	5 03
	334	J. N. Shuler.....	" " " " " " " " " " " "	14 56
	335	M. Stiefel.....	Hay, oats.....	77 72
	336	James Barry.....	" " " " " " " " " " " "	23 13
	337	John Leonard.....	Shoeing horses.....	10 20
	338	Geo. L. Blanchard.....	Timber.....	13 73
	339	George H. Loeey.....	Coal.....	193 60
	340	G. W. Bethard & Co.....	" " " " " " " " " " " "	151 25
	341	A. D. Hill.....	Blanks, letterheads.....	17 50
July 31	363	William Thomas.....	Pay-roll for labor.....	250 00
	364	William Keough.....	" " " " " " " " " " " "	811 09
	365	Henry G. Eddy.....	" " " " " " " " " " " "	1,299 75
	366	Charles Dimick.....	" " " " " " " " " " " "	467 06
	367	Orange Thomas.....	" " " " " " " " " " " "	493 65
	368	Almond Thomas.....	" " " " " " " " " " " "	1,981 01
	369	John Sheely.....	" " " " " " " " " " " "	552 77
	370	Denis Shannahan.....	" " " " " " " " " " " "	586 56
	371	Lewis Cook.....	" " " " " " " " " " " "	304 55
	373	Miller, Metcalf & Parkin	Steel.....	16 23
	374	N. Y. St. L. & C. R. R. Co.	Freight on piles.....	55 80
	375	Alston Mfg. Co.....	Oil.....	7 14
	376	Jones & Laughlins.....	Dredge chain, steel, iron.....	166 79
	377	Fraser & Chalmers.....	Work on dredge wheels.....	42 36
	378	W. A. McArthur.....	Lumber, shingles.....	310 06
	379	J. P. Doig.....	Files and recutting old ones.....	18 94
	380	Owen Owens.....	Pack, valves, hose, tongs, steam gauge	73 76
	381	Clarence C. Glover.....	Postage stamps, car fare, stationery.....	11 50
	382	William Cook.....	Ft. on piles, car fare, shipping & unloading piles	33 00
	383	D. P. Ingraham.....	Oak piles.....	237 60
	384	Norton & Co.....	Lumber, iron, ground feed, machine work	44 18
	385	D. C. Baldwin.....	Wire cloth, iron, twine, bolts.....	6 95
	386	Abe Rupley.....	Saws, screws, labor, pipe.....	23 10
	387	A. J. Wadsworth.....	Repairs on harness, brush, leather.....	11 85
	388	F. Gass.....	Material for bedding, crash.....	7 66
	389	John H. Weeks, P. M.....	Postage stamps, box rent.....	13 96
	390	C. & A. R. R. Co.....	Freight.....	1 43
	391	William Keough.....	Railroad fare.....	4 60

Maintenance and Repairs—Continued.

Date.	No. of v'cher.	Name.	For What Expended.	Amount.
1883.				
July 31	392	Charles Dimick	R. R. fare, stabling, lamp	\$8 63
	395	Isaac Nobes	Riprap stone	233 50
	396	Joseph Duso	Coal	17 30
	397	Brooks & Strong	Stucco	1 25
	398	Humphrey & Sons	Castings	13 48
	399	H. Burrell & Co.	Labor and material at break	173 25
	400	F. B. Handwerk & Co.	Repairing telephone line	3 25
	401	Irons & Riddle	Nails, shovels, grease	8 80
	402	Haves & Fletcher	Letterheads, envelopes	7 25
	403	McEwen & Bro	Lumber, timber, oats	252 50
	404	George F. Brown	Messengers telegram, oats	12 33
	405	Haeberlin Bro.'s	Iron, nails, bolts, picks, shovels	59 56
	406	Corcoran & Schaefer	Fly nets, leather, pump suckers	4 10
	407	Weiss & Wolf	Dressing lumber	2 75
	408	John N. Shuler	Lumber	105 67
	409	William Stormont	Iron, castings, mach'ts & smith labor	25 10
	410	M. Stiefel	Oats	50 41
	411	G. Gehring	Paint	21 00
	412	E. Y. Griggs	Paint, oil, putty	10 89
	413	John Leonard	Shoeing horses	6 40
	414	Almond Thomas	Shoe'g horses, fgt, livery, tel'g'ms, ex.	62 97
	415	Utica Cement Ass'n	Cement	20 00
	416	Transcript Job Print. H.	Letterheads, envelopes	8 00
Aug. 31	428	William Thomas	Pay-roll for labor	250 00
	429	William Keough	" "	1,044 34
	430	Henry G. Eddy	" "	1,253 89
	431	Charles Dimick	" "	492 00
	432	Orange Thomas	" "	585 65
	433	Almond Thomas	" "	2,110 23
	434	John Sheely	" "	623 30
	435	Denis Shannahan	" "	631 15
	437	Goodyear Rubber Co.	Suction hose, packing	95 14
	438	A. Plamondon Mfg. Co.	Gear wheels	26 00
	439	Alston Mfg. Co.	Oil	27 51
	440	Geo. B. Carpenter & Co.	Rope	97 05
	441	J. N. Lighthall & Bro.	Cylinder oil	7 50
	442	Jones & Laughlins	Nails, spike	101 85
	443	Thurber & St. John	Stone boat, "North Branch"	1,500 00
	444	R. Chester	Lanterns	2 50
	445	Henry Stuckart	Nails, tin, wrenches, labor	14 30
	446	J. P. Doig	Files, rasps, horse nails	29 39
	447	William Cook	Repairing dock, R. R and oar fare	16 29
	448	H. W. Emery	Sash, plank	99 86
	449	Frank J. Knowles	Paint, liniment, brush	14 91
	450	William Bradley	Paint, stationery, matches	13 55
	451	C. & A. R. B. Co.	Freight	4 15
	452	William Thomas	Ex. Supt. 3 mo's, tel'g's, wash. for office	56 17
	453	William Keough	R. R. fare, freight	12 63
	454	Joseph Duso	Coal, lye, grease, repairs	56 16
	455	Sanger & Moody	Riprap stone	50 00
	456	Isaac Nobes	" "	46 50
	457	R. W. Wallace	Towing mud pump	10 00
	458	Hayes & Fletcher	Letterheads	6 00
	459	Haeberlin Bros	Bolts, nails, iron, nails	12 86
	460	Corcoran & Schaefer	Repairing harness, collars, lines	21 45
	461	John Leonard	Shoeing horses	9 40
	462	James Cahill	Coal	57 15
	463	Lewis Cook	Hay	20 00
	464	Hellersted Bros.	Carriage	200 00
	465	O. H. Barrett	Files	50 00
	466	Charles Bent	Expenses as Commissioner, 3 mos.	115 63
	467	George F. Brown	" " oats	48 83
	468	D. J. Callahan	" " postage	48 00
Sept. 30	492	William Thomas	Pay-roll for labor	250 00
	493	William Keough	" "	1,024 44
	494	Henry G. Eddy	" "	1,283 51
	495	Charles Dimick	" "	461 84
	496	Orange Thomas	" "	470 75
	497	Almond Thomas	" "	1,630 78
	498	John Sheely	" "	544 95
	499	Denis Shannahan	" "	467 53
	501	Alston Mfg Co.	Oil	57 24
	502	S. J. Surdam & Co.	Stoves, pipe	9 60
	504	J. N. Lighthall & Bro.	Oil, cans	8 50
	505	W. & A. McArthur	Lumber, shingles	828 05
	506	Jones & Laughlins	Iron, nails, nuts, waste	280 62

Maintenance and Repairs—Continued.

Date.	No. of vcher.	Name.	For What Expended.	Amount.
1883.				
Sept. 30	507	Clarence C. Glover.....	Envelopes, postage, lumber	\$12 84
	508	H. W. Emery.....	Blinds, windows, lumbr, build'g paper	34 54
	509	D. C. Baldwin.....	Nails, iron, steel, bolts	14 30
	510	Michael Walter.....	Brooms, crockery, lamps, salt	38 83
	511	William Bradley.....	Lead, glass, matches, oil	17 37
	512	F. Gass.....	Sheeting, thread	5 50
	513	John Kirkham.....	Oats	43 41
	514	Fred Winkler.....	.....	19 30
	515	Chicago & Alton R.R. Co.	Freight	12 23
	516	John H. Weeks, P. M.....	Stamps, stamped envelopes, box rent	53 58
	517	William Keough.....	R. R. fare, chimneys, branding iron	8 75
	518	Henry G. Eddy.....	Expressage, repairs, making bedding	5 50
	519	Joseph Duso.....	Coal, grease, repairs, lamps, burners	16 01
	520	Joliet Steel Co.....	Coal, iron, machine and bl'ksm'h work	121 25
	521	Sanger & Moody.....	Riprap stone	50 00
	522	Isaac Nobes.....	.....	75 00
	523	Brooks & Strong.....	Check valve	1 75
	524	Humphrey & Sons.....	Castings, making pattern	13 52
	525	E. E. Bates.....	Shoeing horses and mules, bl'ksm'ing	11 40
	526	James H. Smith.....	.....	5 30
	527	Charles C. Smith.....	Hay	386 10
	528	William Murnagh.....	.....	187 50
	529	H. Burrell & Co.....	Coal, towing, blacksmithing	76 88
	530	George F. Brown.....	Oats	30 95
	531	M. K. Keller.....	Lamp chimneys, brooms, glass, oil	2 85
	532	Haeberlin Bros.....	Bolts, iron, screws, rivets	5 16
	533	Weiss & Wolf.....	Dressing and ripping lumber	1 50
	534	M. Stiefel.....	Oats and hay	104 49
	535	Thomas Thompson.....	.....	16 56
	536	E. Y. Griggs.....	Glass, oil, liniment, lead	6 81
	537	William Stormont.....	Machine and wood work	2 00
	538	W. H. Hall.....	Bed quilts	18 00
	539	John Leonard.....	Shoeing horses	4 40
	540	Almond Thomas.....	Livery, freight, R. R. fare, bl'ksmithing	28 23
	541	Utica Cement Ass'n.....	Cement	75 00
	542	Charles Bruner.....	Turning	4 00
	543	George H. Locey.....	Coal	189 47
	544	William Thomas.....	Pay-roll for labor	250 00
	545	William Keough.....	.....	1,076 74
	546	Henry G. Eddy.....	.....	1,369 58
	547	Charles Dimick.....	.....	530 62
	548	Orange Thomas.....	.....	527 65
	549	Almond Thomas.....	.....	1,770 40
	550	John Sheely.....	.....	654 31
	551	Denis Shannahan.....	.....	529 52
	552	Western Electric Co.....	Electric bell, repair'g magnets, spools	7 50
	553	Alston M'g Co.....	Oil	66 50
	554	Goodyear Rubber Co.....	Rubber mitts	4 05
	555	Geo. B. Carpenter & Co.....	Rope	24 85
	556	Jones & Laughlins.....	Iron, horseshoes	10 11
	557	S. D. Kimbark.....	Twere iron	2 25
	558	O. Owens.....	Guage glasses, flue scraper, packing	10 97
	559	William Cook.....	Nails, R. R. car fare, stamps	9 40
	560	W. J. Acker.....	Oak lumber	114 03
	561	Norton & Co.....	Lumbr, mach'e w'k, bran, ground feed	19 29
	562	H. W. Emery.....	Lumber, spike, sash	4 30
	563	Abe Rupley.....	Tin, castings, labor, pipe, repairs	31 59
	564	William Bradley.....	Oil, stationery, borax	10 56
	565	A. J. Wadsworth.....	Repairs to harness, tugs	12 75
	566	Fred Winkler.....	Oats	52 59
	567	Chicago & Alton R.R. Co.	Freight	61 06
	568	U. S. Express Co.....	Expressage	4 25
	569	William Thomas.....	Furniture, expenses as Sup't 2 mos.	536 05
	570	Charles Dimick.....	R. R. fare, hay, corn, repairs	7 10
	571	Orange Thomas.....	stabling, brooms, postage	14 62
	572	Joseph Duso.....	Coal, brush, lye, repairs	30 53
	573	James Bruce & Co.....	Rip-rap stone	40 00
	574	F. W. & H. B. Plant.....	Doors, moulding	3 20
	575	Benjamin C. Wilder.....	Stabling	13 80
	576	A. Sears & Son.....	Lumber	23 76
	577	Hayes & Fletcher.....	Printing envelopes	5 00
	578	Martin Hynds.....	Shoeing horses	7 00
	579	George F. Brown.....	Oats	15 86
	580	Haeberlin Bros.....	Nails, salt, handles, repairs	3 50
	581	William Stormont.....	Cutting bolts	2 90
	582	Thomas Carew.....	Iron	10 50

Maintenance and Repairs—Continued.

Date.	No. of v'cher.	Name.	For What Expended.	Amount.
1883.				
Oct. 31	593	John Leonard	Shoeing horses	\$12 80
	594	W. H. Hall	Oil-cloth	2 40
	595	Utica Cement Ass'n ...	Cement	66 13
	596	J. N. Corbus	Oak plank	194 75
	597	G. W. Bethard & Co.	Coal	735 63
	598	A. D. Hill	Printing letterheads	10 00
	602	J. N. Shuler	Lumber	14 57
Nov. 30	614	William Thomas	Pay-roll for labor	250 00
	615	William Keough	"	1,270 48
	616	Henry G. Eddy	"	1,021 26
	617	Orange Thomas	"	447 48
	618	Almond Thomas	"	1,557 32
	619	John Sheely	"	639 92
	620	Denis Shannahan	"	627 65
	621	Jones & Laughlins (Lim.)	Nails, rivets, iron	48 34
	622	Alston Mfg Co.	Oil	7 14
	623	Geo. B. Carpenter & Co.	Rope	25 80
	624	Sprague, Warner & Co. ...	Oil, lead	76 09
	625	J. N. Lighthall & Bro. ...	Cylinder oil	7 50
	626	Finney Bros	Oakum	17 00
	627	A. S. Piper & Co.	Shoeing horses, towing dredge, hay.	26 05
	628	Henry Stuckart	Chimney cap, nails	7 45
	629	Clarence C. Glover	Stationery, car fare, postage ..	13 80
	630	William Cook	R. R. and car fare, postage, labor	6 35
	631	D. P. Ingraham	Oak piles	67 50
	632	Norton & Co.	Lumber, sawing	33 24
	633	D. C. Baldwin	Iron, nails, bolts, wire	5 51
	634	Abe Kuplej	Tin, nails, screws, wire, labor ..	4 76
	635	William Bradley	Paint, oil, stationery	6 47
	636	A. J. Wadsworth	Whip, repairs to harness	2 15
	637	Walter J. Flodyment	Stone	22 50
	638	Michael Walter	Brooms, brush	2 20
	639	Chicago & Alton R.R. Co.	Freight	13 63
	640	William Thomas	Expenses as Supt., 1 month	9 40
	641	William Keough	R. R. fare, stabling, expressage ..	13 10
	642	Joseph Duso	Coal, lye, repairs	5 95
	643	William Gardiner	'Canvas	55 00
	644	Isaac Nobes	Stone	59 75
	645	Ills. State Penitentiary.	Machine work, valve, pipe, union	9 90
	646	T. A. Mason	Oak and pine lumber	91 32
	647	McEwen & Bro.	Lumber, oats	14 80
	648	Jacob Geisen	Rope	9 54
	649	L. Irons & Co.	Rope, nails	4 84
	650	H. L. Miller	Material for and work on dredge ..	16 90
	651	Haeberlin Bros	Bolts, washers	6 60
	652	Hapeman & Graham	Ink, envelopes, pencils	7 95
	653	Weiss & Wolf	Planing and matching lumber	5 00
	654	Corcoran & Schaefer	Repairing harness, collars, straps ..	8 63
	655	J. N. Shuler	Lumber	33 56
	656	M. Steifel	Oats, ear corn	56 57
	657	E. Y. Griggs	Oil, grease, brush	2 25
	658	John Leonard	Shoeing horses	7 60
	659	William E. Codding	R. R. fare, telegrams, matches, stone	20 29
	660	Almond Thomas	Stabling, oats, coal, salt	40 90
	661	John Sheely	" " R. R. fare	6 38
	662	Michael Byrne	Oak and pine plank	11 13
	663	E. B. Treat	Bolts	2 26
	664	G. W. Bethard & Co.	Coal	514 94
	665	Charles Bent	Expenses as Commis'r., 3 mos.	53 21
	666	George F. Brown	" " " " " " " " " " " " " "	36 53
	667	D. J. Calligan	" " " " " " " " " " " " " "	48 30
		Total		\$96,289 60

"M"—Receipts for Lockage at Henry.

Date.	No. of recei't.	Name of Collector.	Where Collected.	Amount.
1882. Dec. 31	8	Duncan Campbell.....	Henry.....	\$1 99
1883. Mar. 31	28	Duncan Campbell.....	Henry.....	260 66
April 30	37	Clarence C. Glover.....	Chicago.....	10 50
	40	Duncan Campbell.....	Henry.....	473 09
May 31	50	Clarence C. Glover.....	Chicago.....	23 37
	51	William Milne.....	Lockport.....	2 26
	53	Duncan Campbell.....	Henry.....	212 70
June 30	62	Clarence C. Glover.....	Chicago.....	153 18
	63	William Milne.....	Lockport.....	33
	64	William E. Coddling.....	Ottawa.....	1 48
	65	Duncan Campbell.....	Henry.....	131 51
July 31	80	Clarence C. Glover.....	Chicago.....	159 84
	82	William E. Coddling.....	Ottawa.....	5 86
	83	Duncan Campbell.....	Henry.....	77 99
	84	Isaac N. Munson.....	Copperas Creek.....	23 83
Aug. 31	92	Clarence C. Glover.....	Chicago.....	139 65
	93	William Milne.....	Lockport.....	42
	95	Duncan Campbell.....	Henry.....	114 17
	96	Isaac N. Munson.....	Copperas Creek.....	20 65
Sept. 30	110	Clarence C. Glover.....	Chicago.....	20 36
	113	Duncan Campbell.....	Henry.....	239 64
	114	Isaac N. Munson.....	Copperas Creek.....	16 37
Oct. 31	121	Clarence C. Glover.....	Chicago.....	100 88
	124	Duncan Campbell.....	Henry.....	166 32
	125	Isaac N. Munson.....	Copperas Creek.....	29 27
Nov. 30	158	Clarence C. Glover.....	Chicago.....	192 76
	160	William E. Coddling.....	Ottawa.....	5 14
	161	Duncan Campbell.....	Henry.....	78 60
	162	J. S. Fahnestock.....	Copperas Creek.....	7 12
		Total.....		\$2,609 94

"N"—Disbursements for Lockage at Henry.

ATTENDANCE OF LOCK, SALARIES OF COLLECTOR AND LOCKTENDER.

Date.	No. of v'cher.	Name.	For What Expended.	Amount.
1882. Dec. 31	1	William Thomas.....	Pay-roll for labor.....	\$75 00
1883. Jan. 31	37	" "	" "	75 00
Feb. 28	70	" "	" "	75 00
Mar. 31	110	" "	" "	93 06
April 30	168	" "	" "	110 00
May 31	218	" "	" "	110 00
June 30	283	" "	" "	110 00
July 31	363	" "	" "	110 00
Aug. 31	428	" "	" "	110 00
Sept. 30	492	" "	" "	110 00
Oct. 31	554	" "	" "	110 00
Nov. 30	614	" "	" "	110 00
				\$1,198 06

REPAIRS OF LOCK AND DAM.

Aug. 31	469	Duncan Campbell.....	Putting splash boards on dam.	\$17 85
	470	Duke Bros.	Making pins for dam.....	8 70
	472	C. Gould.....	Bolts, washers, iron.....	14 63
	479	Cone, Brown & Co.....	Lumber.....	19 58
Sept. 30	544	" "	" "	14 24
	545	B. A. Kline.....	Nails.....	5 45
	546	Duncan Campbell.....	Labor on dam.....	14 90
				94 45

INCIDENTALS.

Feb. 28	109	Lawrence, Campbell & L	Legal services	\$125 00
April 30	217	Shelly & Pfeiffer.....	Oil.....	7 43
May 31	257	William Thomas.....	Expenses to Henry.....	1 00
	283	William Vedder.....	Lockage refunded.....	19 17
	289	S. A. Johnson.....	" "	11 02
June 30	341	A. D. Hill.....	Blanks.....	6 25
July 31	417	J. E. & F. A. Powell.....	Paint, matches, oil, chimneys.....	3 95
	418	Duncan Campbell.....	Postage, exch., fr't, drayage..	19 60
Aug. 31	469	" "	" "	5 15
	471	B. A. Kline.....	Nails, water-coolers, keys.....	7 80
	473	McCoy & Straut.....	Oil, grease, lamp chimneys....	12 53
Sept. 30	545	B. A. Kline.....	Chalk line, sheet iron, repairs.	1 40
	546	Duncan Campbell.....	Postage, exch., fr't, pencils....	4 60
Nov. 30	682	McCoy & Straut.....	Oil.....	6 42
	683	Duncan Campbell.....	Postage, exch., freight, wood..	11 60
				242 92
Total.....				\$1,535 43

"O"—Receipts for Lockage at Copperas Creek.

Date.	No. of rec't.	Name of Collector.	Where Collected.	Amount.
1882.				
Dec. 31	9	Isaac N. Munson	Copperas Creek	\$25 98
1883.				
Mar. 31	28	Duncan Campbell	Henry	257 93
	29	Isaac N. Munson	Copperas Creek	80 40
April 30	37	Clarence C. Glover	Chicago	10 51
	40	Duncan Campbell	Henry	435 22
	41	Isaac N. Munson	Copperas Creek	103 98
May 31	53	Duncan Campbell	Henry	125 00
	54	Isaac N. Munson	Copperas Creek	23 67
June 30	62	Clarence C. Glover	Chicago	33 37
	64	William E. Coddling	Ottawa	1 48
	65	Duncan Campbell	Henry	14 82
	66	Isaac N. Munson	Copperas Creek	50
July 31	80	Clarence C. Glover	Chicago	70 22
	83	Duncan Campbell	Henry	2 68
	84	Isaac N. Munson	Copperas Creek	181 58
Aug. 31	92	Clarence C. Glover	Chicago	33
	95	Duncan Campbell	Henry	15 94
	96	Isaac N. Munson	Copperas Creek	231 81
Sept. 30	113	Duncan Campbell	Henry	16 02
	114	Isaac N. Munson	Copperas Creek	136 19
Oct. 31	124	Duncan Campbell	Henry	21 98
	125	Isaac N. Munson	Copperas Creek	157 68
Nov. 30	158	Clarence C. Glover	Chicago	17
	161	Duncan Campbell	Henry	13 43
	162	J. L. Fahnestock	Copperas Creek	86 29
			Total	\$2,047 18

"P"—Disbursements for Lockage at Copperas Creek.

Date.	No. of v'cher.	Name.	For What Expended.	Amount.
ATTENDANCE OF LOCK.				
1882.			SALARIES OF COLLECTOR AND LOCKTENDER.	
Dec. 31	1	William Thomas	Pay-roll for labor	\$84 03
1883.				
Jan. 31	37	" "	" "	75 00
Feb. 28	70	" "	" "	88 75
Mar. 31	110	" "	" "	89 68
April 30	168	" "	" "	110 00
May 31	218	" "	" "	110 00
June 30	293	" "	" "	110 00
July 31	363	" "	" "	110 00
Aug. 31	428	" "	" "	110 00
Sept. 30	492	" "	" "	110 00
Oct. 31	554	" "	" "	110 00
Nov. 30	614	" "	" "	110 00
				\$1,217 46
REPAIRS OF LOCK, DAM AND DYKES.				
April 30	176	Isaac N. Munson	Pay-roll for labor	\$27 02
May 31	226	" "	" "	50 27
	259	Emanuel Thomas	Use of boat "Seneca"	81 25
	292	Isaac N. Munson	Pilot, labor unloading boat	11 50
June 30	294	William Keough	Pay-roll for labor	159 00
	301	Isaac N. Munson	" "	45 76
	321	Emanuel Thomas	Use of boat "Seneca"	178 50
	322	Isaac Nobes	Rip-rap stone	150 00
	323	James Bruce & Co	" "	50 00
	342	Isaac N. Munson	Labor of men unloading boats	24 00
July 31	364	William Keough	Pay-roll for labor	85 74
	372	Isaac N. Munson	" "	179 28
	393	Emanuel Thomas	Use of boat "Seneca"	84 00
	394	Sanger & Moody	Rip-rap stone	75 00
	395	Isaac Nobes	" "	50 00
Aug. 31	436	Isaac N. Munson	Pay-roll for labor	200 64
Sept. 30	540	" "	" "	76 50
	503	Geo. B. Carpenter & Co	Steel wire	12 15
	506	W. & A. McArthur	Lumber	70 50
Oct. 31	555	William Keough	Pay-roll for labor	9 00
	572	H. W. Emery	Lumber	42 18
	599	Isaac N. Munson	Labor unloading lumber	2 00
	602	J. N. Shuler	Lumber	64 00
Nov. 30	643	William H. Gardiner	Taking stone to Copperas Creek	765 00
				2,493 29
INCIDENTALS.				
1882.				
Dec. 31	36	A. J. Fash	Use of boat "Peoria Belle"	\$15 00
1883.				
Jan. 31	69	Edsall, Hawley & Edsall	Legal services, printing	539 00
Feb. 28	109	Lawrence, Campbell & Lawrence	" "	125 00
Mar. 31	165	P. S. Shelley & Son	Oil, lamp chimneys, burners	12 06
	166	Isaac N. Munson	Postage, coal, freight, express	12 57
April 30	215	Martin Kingman	Expressage	60
May 31	257	William Thomas	Expenses to Copperas Creek	5 85
	285	D. J. Calligan	Ex. of Comers to Cop'ras Crk.	10 00
	290	Porte C. Wheeler	Oil	4 00
	291	A. J. Fash	Use of boat "Peoria Belle"	15 00
June 30	341	A. D. Hill	Blanks	6 25
July 31	419	Porte C. Wheeler	Oil	7 46
Aug. 31	452	William Thomas	Expenses to Copperas Creek	9 55
	473	McCoy & Straut	Grease, soft soap	4 90
	474	A. D. Hill	Letterheads	3 00
Oct. 31	599	Isaac N. Munson	Coal, postage, freight	41 35
	600	Colburn, Birks & Co	Oil	10 65
Nov. 30	640	William Thomas	Expenses to Copperas Creek	9 25
				831 49
Total				\$4,542 24

"Q"—Little Wabash.

Date.	No. of receipt	Name.	For What Received.	Amount.
1893. April 10	30	Martin Kingman, Treas.	Balance to cr. "Little Wabash acc't," transferred to Canal fund.....	<u>\$1,694 94</u>
		DISBURSEMENTS.		
Oct. 31	601	Starr & Starr.....	Legal advice	\$5 00

APPENDIX.

"R"—Exhibit from 1848 to 1883, inclusive.

Year.	Ordinary repairs.	Extra-ordinary repairs, renewals and hydraulic works.	Gross expenses.	Tolls.	Canal opened.	Canal closed.	No. of days open
1848	\$36,452	\$6,744	\$43,197	\$87,890	April 19	November 29	224
1849	43,922	26,999	70,922	118,375	" 20	December 9	231
1850	38,418	19,996	58,415	125,504	March 22	" 6	259
1851	39,447	19,027	58,475	173,300	" 15	" 8	269
1852	42,816	10,692	53,508	168,577	" 29	" 8	255
1853	40,383	4,486	44,870	173,372	" 14	" 12	274
1854	36,587	16,654	53,242	198,326	" 15	" 2	263
1855	58,216	32,657	70,873	180,519	April 3	" 12	253
1856	33,101	58,367	91,458	184,310	" 8	" 4	241
1857	37,256	65,825	103,082	197,830	May 1	November 20	204
1858	36,115	21,972	58,088	197,171	April 1	December 1	244
1859	34,026	40,406	74,432	132,140	March 16	" 3	264
1860	34,306	48,275	82,583	138,554	" 8	November 26	264
1861	39,238	15,823	55,061	218,040	" 4	" 28	270
1862	40,024	15,337	55,362	264,657	April 1	December 3	247
1863	49,294	13,021	62,715	210,386	March 4	" 1	271
1864	47,535	18,572	66,107	156,607	" 10	" 1	265
1865	39,255	85,614	124,869	300,810	April 10	November 15	218
1866	43,716	72,647	116,363	302,958	" 11	October 31	203
1867	46,152	116,504	162,656	252,231	" 10	November 15	209
1868	52,984	69,067	122,052	215,720	" 4	October 31	210
1869	49,514	42,251	91,765	238,758	" 7	November 15	222
1870	43,098	65,597	108,695	149,635	" 7	October 8	184
1871	54,555	42,667	97,222	159,050	" 6	November 25	234
1872	42,785	46,090	88,876	165,874	" 1	December 1	245
1873	*53,525	27,573	81,098	166,641	" 10	November 20	225
1874	\$49,139	24,659	73,798	144,831	March 30	" 20	236
1875	46,241	28,270	74,511	107,081	April 15	" 28	228
1876	42,418	49,167	91,585	113,293	March 25	" 18	239
1877	54,965	55,053	110,018	96,913	April 16	December 1	230
1878	**43,826	39,013	82,839	84,330	March 20	" 1	257
1879	a44,076	53,625	97,701	89,064	" 29	November 20	237
1880	b47,604	77,997	125,601	92,206	" 22	" 18	242
1881	c53,597	54,626	108,223	85,130	April 25	" 26	216
1882	d57,309	48,103	105,412	85,947	March 13	" 30	263
1883	e66,515	60,241	116,756	77,975	April 2	" 25	238

NOTE.—The figures in the above table, from 1848 to May 1, 1871, are as given by the Trustees of the Illinois and Michigan Canal.

*In this amount is \$15,400 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$38,125.

†In this amount is \$15,399 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to maintenance and repairs, \$33,740.

‡In this amount is \$14,523 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$31,718.

§In this amount is \$12,757 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$29,661.

||In this amount is \$12,825 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$42,140.

**In this amount is \$12,954 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$30,872.

aIn this amount is \$14,592 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$29,484.

bIn this amount is \$15,273 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$32,331.

cIn this amount is \$18,299 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$35,298.

dIn this amount is \$18,937 paid to collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$33,572.

eIn this amount is \$21,241 paid to collectors, locktenders, and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$35,274.

"S"—Statement of number of canal boats running; of miles run; of clearances issued, and of tons transported on the Illinois and Michigan Canal, during twenty-four years, viz: from 1860 to 1883 inclusive.

Date.	Clearances Issued.	Boats Running	Miles Run.	Tons Transport'd
1860	3,926	201	235,684	367,437
1861	6,339	194	415,599	547,235
1862	7,044	211	474,976	673,590
1863	5,810	240	418,713	619,599
1864	4,527	228	300,340	510,286
1865	3,907	228	360,614	616,140
1866	5,488	230	406,784	746,815
1867	4,183	209	357,623	746,954
1868	4,128	218	345,169	737,827
1869	4,524	219	385,050	817,738
1870	2,903	179	242,650	585,870
1871	3,523	186	278,948	622,975
1872	*6,018	173	334,820	753,641
1873	*4,743	172	323,174	849,533
1874	*4,226	153	288,075	712,020
1875	*3,554	142	259,873	676,025
1876	*4,049	146	302,024	691,943
1877	*4,008	145	272,788	606,912
1878	*4,229	140	293,356	598,792
1879	*4,458	136	304,191	609,559
1880	*4,536	133	320,009	751,360
1881	*4,459	133	316,455	826,133
1882	*4,065	132	335,710	1,011,287
1883	*3,789	†132	306,618	925,575

* Includes clearances at Henry and Copperas Creek.

† Of this number 26 are steam canal boats and 7 are tugs.

"T"—LEASES OF WATER POWER.

Since the last report a settlement has been effected with Mr. William Adam, and new leases of water power, on the main line of the canal at Joliet, made with Marsh and Speer, William M. Druley, (surviving partner of the firm of Druley & Johnson) and the Northwestern Tile Company.

The leases to Henry A. Sanger and John E. Bush, at dam No. 2, Joliet, have been canceled and new leases granted, with an increase of water power.

The lease to Richard Hughes, at Aux Sable, has been annuled for non-payment of rent.

The following is a schedule of the leases as they now stand—

Name of Lessee.	Description of Lease.	Time.	Date given or renewed.	Payable.	Yearly Rent	Remarks.
Norton & Co	Lot 1, block 122, Lockport.	20 years.	Mar. 4, 1873	Semi-annually.	\$300 00	Rent of lot 1 not included.
Norton & Co	Lot 6, block 122, Lockport.	20 "	May 1, 1866	"	200 00	Rent of lot 6 not included.
Norton & Co	Surplus water at Lockport.	20 "	July 1, 1876	"	2,177 00	Rent commenced July 1, 1873
G. W. Hydo.	Dam No. 1, Joliet.	20 "	July 17, 1876	"	1,220 00	Ground rent not included.
Henry A. Sanger	Dam No. 2, Joliet.	10 "	July 1, 1883	"	721 98	"
John E. Bush.	Dam No. 2, Joliet.	10 "	"	"	329 14	"
Northwestern Tile Co.	West Joliet.	10 "	"	"	551 15	"
Wm. M. Druley, (sur. part. etc.)	West Joliet.	10 "	"	"	531 96	"
Marsh & Speer	West Joliet.	10 "	31, 1881	"	332 30	"
John Hannah	Channahon	10 "	May 1, 1872	"	200 00	"
Ottawa Hydraulic Co	Ottawa	20 "	"	"	750 00	"

"U"—Unsold Canal Lots, November 30, 1833.

Lots.	Block.	Valuation.	Total.
BRIDGEPORT.			
Being in Canal Trustees' subdivisions, in south fractional $\frac{1}{2}$ section 29, township 39, range 14 east 3d P. M. (now within the corporate limits of the city of Chicago), 1, 2, 3, 4, 5, 6, 7, 8, 9.	12	*\$100,000 00	
	13	12,000 00	
Triangular lot, not numbered on plat in subdivision of.....	7, 8 & 9	1,000 00	
			\$113,000 00
LOCKPORT.			
1, 2.....	71	*\$10,000 00	
4, 5.....	102	18,000 00	
1, 2, 3.....	103	11,800 00	
3.....	114	200 00	
2.....	116	500 00	
5, 6, 7, 8, 9, 10, 11, 12.....	121	2,400 00	
1, 2, 3, 4, 5, 6.....	122	3,000 00	
1, 2, 3, 4, 5.....	123	2,000 00	
2, 3, 6, 7.....	124	400 00	
1, 2, 3, 4.....	125	400 00	
1, 2, 3, 4.....	126	200 00	
2, 3, 6, 7.....	127	200 00	
2, 3, 6, 7.....	128	200 00	
1, 2, 3.....	129	150 00	
	131	25 00	
	134	50 00	
	135	100 00	
			\$34,925 00
JOLIET.			
Northeast $\frac{1}{4}$ section 9, township 35, range 10 east 3d P. M., "North Joliet," as laid out by the canal trustees, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11.....	1	\$220 00	
1, 2, 3, 4, 5, 6, 7, 8, 9, 10.....	2	200 00	
4, 5, 6, 7, 8.....	3	200 00	
10.....	5	500 00	
11, 12, 13, 14, 15, 16.....	37	2,500 00	
Strip adjoining block 2, old town, and block.....	44	1,000 00	
		\$4,720 00	
Old town of Joliet—east part lot 5, called "McKee tract".....	16	3,000 00	
			\$7,720 00
DUPAGE (now called Channahon).			
8, 9 (worth nothing—inundated).....	4		
3.....	16	\$10 00	
1, 2.....	21	40 00	
.....(worth nothing—inundated).....	51		
			\$50 00
KANKAKEE.			
Blocks 30, 31, 32, 33, 34, 37, 38, 39, 40, 41 and 42, being in section 31, township 34, range 9 east 3d P. M., containing 16 32-100 acres, at \$25 per acre.....		\$408 00	
			\$408 00

*Includes buildings, viz: Collector's office, two houses, and hydraulic building.

†Includes buildings, viz: Canal office, house and barn.

‡Includes buildings, viz: Shops at State yard, barn, blacksmith shop, etc.

§Includes building, viz: Lock-house.

Unsold Canal Lots—Continued.

Lots.	Block.	Valuation.	Total.
MORRIS.			
Lying between canal and Illinois river	B	\$200 00	
CANAL TRUSTEES' ADDITION TO MORRIS.			
Block marked on plat as "Dry Dock,"		1,000 00	\$1,200 00
OTTAWA—ORIGINAL TOWN.			
1, 2, 3, 4, 5, 6, 7, 8	20	\$10 00	
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	21	4,000 00	
1, 2, 3, 4, 5, 6	22	600 00	
.....	23	600 00	
.....	24	300 00	
.....	25	500 00	
.....	26	500 00	
.....	27	400 00	
.....	28	50 00	
		\$8,960 00	
STATE'S ADDITION TO OTTAWA.			
3, 4, 5	38	\$3,500 00	
6	43	200 00	\$10,660 00
LaSALLE.			
1, 3, 7, 12, 18	19	\$250 00	
9	41	200 00	
2, 4, 7, 10, 11, 12	45	500 00	
8, 14	101	50 00	
1, 2, 3	141	1,200 00	
1, 2, 3	142	750 00	\$2,950 00

*Includes buildings, viz: State shop, barn, sheds, locktender's house, etc.

Unsold Canal Lands, November 30, 1883.

Description.	Sect'n.	Town.	Range.	Acres.	Valua'n per acre	Valua'n of track.
Three small islands	15	33	4	.....	.....	\$5 00
Part of island in north half	17	33	4	.....	.....	5 00
Island in section	1	33	7	13.09	\$1 00	13 09
Strip in	1 & 12	38	12	2.25	150 00	337 50
Total						\$360 59

Recapitulation.

Canal Lots.	Valuation.	Total.
Bridgeport 11	\$113,000 00	
Lockport 54	24,925 00	
Joliet 35	7,720 00	
DuPage 6	50 00	
Kankakee 11	408 00	
Morris 2	1,200 00	
Ottawa 35	10,660 00	
LaSalle 20	2,950 00	
Unsold lands		\$160,913 00
Total		360 59
		\$161,273 59

"V"—Statement of articles cleared Illinois and Michigan Canal and Locks at Henry and Copperas Creek, for the year ending November 30, 1883.

Articles.		Canal.	Lock at Henry.	Lock at Copperas Creek.
Flour.....	Barrels	95,813	40	.....
Lime, common.....	"	459	30	.....
Lime, hydraulic.....	"	156	15	.....
Oil.....	"	131	.....	.....
Salt.....	"	1,632	110	.....
Corn.....	Bushels	1,767,496	272,159	13,000
Oats.....	"	571,011	47,000	5,900
Potatoes.....	"	1,003	.....	.....
Rye.....	"	76,782	20,993	10,528
Wheat.....	"	627,574	8,572	12,480
Agricultural implements.....	Pounds	.....	1,000	.....
Butter.....	"	23,325	.....	.....
Carpenter and joiner's work.....	"	12,903,700	423,000	2,800,000
Coal, mineral and coke.....	"	1,931,558	.....	.....
Drainage pipe.....	"	253,090	1,190	.....
Empty barrels.....	"	11,300	3,000	.....
Furniture, household.....	"	168,000	52,000	.....
Hay and straw.....	"	235,880	.....	.....
Iron, all kinds.....	"	100,650,000	92,020,000	10,700,000
Ice.....	"	.....	.....	.....
Merchandise, including dry goods, groceries, hardware, cutlery, crockery and glassware.....	"	218,158	29,531	7,290,917
Meal.....	"	491,281	.....	.....
Machinery.....	"	90,100	8,800	.....
Nails and spikes.....	"	1,800	.....	.....
Sand and other earths.....	"	94,065,300	.....	.....
Staves and headings.....	"	19,950	.....	.....
Seeds.....	"	523,617	.....	.....
Wagons and other vehicles.....	"	6,700	.....	.....
All other articles not enumerated.....	"	2,832,044	.....	.....
Brick.....	Number	396,598	.....	.....
Lath.....	"	6,155,950	.....	.....
Shingles.....	"	35,110,225	.....	.....
Posts and rails.....	"	40,456	.....	.....
Railroad ties.....	"	354	.....	13,200
Passengers.....	"	.....	.....	865
Lumber (board measure).....	Feet	28,581,184	.....	13,000
Flooring.....	"	129,327	.....	.....
Siding.....	"	51,026	.....	.....
Stone.....	Cubic yards	334,751	72	.....
Wood.....	Cords	643	.....	26
Boats.....	Miles	299,630	6,316	672

"W."

RATES OF TOLLS AND LOCKAGE

Established upon the Illinois and Michigan Canal, and the Locks at Henry and Copperas Creek, in the Illinois River, by resolution of the Board of Canal Commissioners, passed March 11, 1880; to take effect upon opening of Navigation.

On freight boats, per mile, on the Canal.....3 cents
On freight boats, lockage at Henry and Copperas Creek, per ton measurement, at each lock.....1 cent

Provided, That no single lockage shall be made for less than \$1.50, and also that no steamboat shall be rated at over 500 tons.

Toll is to be computed upon the weight (1,000 pounds per mile) of all articles contained in the following list, unless otherwise stated.

Lockage at Henry and Copperas Creek to be computed upon the weight (per 1,000 pounds, unless otherwise stated.

Articles.	THROUGH FREIGHT.	LOCAL FREIGHT.	LOCKAGE.
	Tolls in Mills.	Tolls in Mills.	Lockage in cents.
Beans.....	2	2	3
Barley.....	1½	1½	3
Buckwheat.....	1½	1½	3
Bran.....	2	2	3
Bark, Tanner's.....	1	1	1½
Barrels, empty.....	2	2	3
Cotton, raw in bales.....	1	1	3
Corn.....	1½	1½	3
Charcoal.....	1	2	3
Coal, per ton, per mile.....	7-10	1	3
Coke.....	½	½	3
Clay.....	½	½	3
Drainage pipe.....	1	1	3
Flour.....	2	2	3
Furniture, household.....	2	2	3
Hay and fodder.....	2	2	3
Hemp.....	2	2	3
Hoops, and materials for.....	2	2	3
Hubs, boat knees and bolts.....	2	2	3
Iron, pig, scrap and railroad.....	¾	¾	2
Iron, wrought and cast.....	2	2	3
Ice.....	1½	2	1½
Iron ore.....	1	1	2
Lime, common.....	1	1	2
Lime, hydraulic.....	1	1	2
Lead, pipe, sheet and roll, pigs and bars.....	1½	2	3
Land plaster, bone dust and super-phosphate.....	1	1	1
Merchandise, (including hardware, dry goods, cutlery, groceries, crockery, and all other articles not specified)	2	2	3
Meal.....	1½	1½	3
Machinery.....	2	2	3
Oats.....	1½	1½	3
Rye.....	1½	1½	3
Salt, in sack or barrels.....	1	1½	2
Seeds.....	2	2	3
Shorts and screenings.....	2	2	3
Ship stuff.....	2	2	3
Staves and heading.....	1½	1½	3
Sand and other earth.....	½	½	1
Wheat.....	1½	1½	3
Zinc, spelter.....	2	2	3

On the following articles toll per mile and lockage will be computed by number or measure.

Articles.	THROUGH FREIGHT.	LOCAL FREIGHT.	LOCKAGE.
	Tolls in Mills.	Tolls in Mills.	Lockage in Cents.
On each 1,000 feet of lumber.....per mile	4½	5	5
1,000 feet of dressed flooring.....	3	4	5
1,000 feet of siding.....	1½	2	2½
1,000 lath.....	¾	1	1½
1,000 shingles.....	2-5	¾	1
1,000 brick.....	2	3	5
100 split posts (not over five inches in diameter) or fence rails.....	3	4	5
On each 100 railroad ties.....	15	20	8
cord of wood for fuel.....	8	10	8
* cubic yard (27 c. ft.) dressed or sawed stone.....	7	10	15
* cubic yard (27 c. ft.) rubble stone.....	4	5	10
* cubic yard (27 c. ft.) dimension stone.....	6	8	15
* cubic yard (27 c. ft.) McAdam stone.....	2	2	9
Passengers.....			5

"Through freight" is that which is cleared from Copperas Creek or Henry to Chicago; or from Chicago to Henry for Copperas Creek.

"Local freight" includes all other freight.

+ Provided that on wood transported over forty miles the tolls shall not exceed 40 cents per cord. All timber on boats shall be taken board measure.

* Provided that on stone transported over thirty miles the tolls shall not exceed 15 cents per cubic yard on McAdam and rubble, and 25 cents per cubic yard on dimension and dressed or sawed stone.

Provided that on clearances from Chicago to Copperas Creek, or from Copperas Creek to Chicago, the lockage on boat and cargo, shall be one-half the above rates at each lock, provided the cargo is not transferred before reaching destination as cleared.

Provided that boats passing both locks in the Illinois river, shall be charged one-half the above rates of lockage at each lock, on boat and cargo.

Boats entering the canal at LaSalle, and passing out again without proceeding as far as Ottawa, shall be charged \$1 each, if the toll on boat and cargo at above rates should not amount to \$1.

The toll on stone shipped from any point on the canal through Henry lock will be figured at through rates.

The weight of a box, crate, vessel or thing in which any article may be contained, shall be added to the weight of the article itself and toll computed accordingly.

Duplicate bills of lading required in all cases, one to be deposited with the collector to whom toll or lockage is paid.

N. B.—The attention of all masters and shippers, is hereby directed to the following sections of the rules, by-laws and regulations of the Illinois and Michigan Canal, to-wit: Sections 55 to 63 inclusive, and the rules established for the lockage of boats at Henry and Copperas Creek.

COMMISSIONERS.

CHARLES BENT.....	MORRISON, ILLINOIS.
GEORGE F. BROWN.....	MORRIS, "
DANIEL J. CALLIGAN.....	PEORIA, "

List of Officers and Agents employed by the Board of Canal Commissioners in 1883.

Names.	Occupation.	Compensation.	Remarks.
William Thomas.....	General Superintendent.....	\$3,000 00	Per annum.....
William Milne.....	Clerk in general office.....	1,020 00	
Frank Milne.....	Ass't clerk in general office..	35 00	Per mo. (left serv. Feb. 7, '83.)
John MacGinnis.....	" " " " " " " " " " " "	30 00	(serv. com. Apr. 1, '83)
Fillmore Millard.....	Clerk in Treasurer's " " " "	30 00	" (left serv. Apr. 24, '83)
Edward G. Calligan.....	" " " " " " " " " " " "	30 00	(serv. com. Ap. 25, '83)
Clarence C. Glover.....	Collector of tolls, Chicago.....	1,020 00	Per annum.....
William Milne.....	" " Lockport.....	900 00	
William E. Coddling.....	" " Ottawa.....	1,080 00	
Duncan Campbell.....	" " Henry.....	900 00	
Isaac N. Munson.....	" " Cop'ras C'k.....	900 00	(left ser. Nov. 15, '83)
William Cook.....	Inspector of boats, Chicago.....	840 00	
William Keough.....	Foreman repair shop, Lockp't	1,080 00	
Almond Thomas.....	" dredge No. 2 & shop	1,200 00	(Ottawa).....
Henry G. Eddy.....	" dredge No. 1.....	90 00	Per month during navigation
Charles Dimick.....	" repair boat No. 1.....	65 00	
Orange Thomas.....	" " " " " " " " " " " "	65 00	
John Sheely.....	" " " " " " " " " " " "	65 00	
Denis Shannahan.....	" " " " " " " " " " " "	65 00	
Oliver Lanstrom.....	Porter in office.....	40 00	Per month (services as porter ended March 15, 1883).....
Everett Annis.....	" " " " " " " " " " " "	40 00	Per month (services as porter commenced March 16, 1883).....
*Louis Myers.....	Locktender lock No. 1.....	35 00	Per month during navigation (left service March 31, '83).....
*Oliver Lanstrom.....	" " " " " " " " " " " "	35 00	Per mo. during nav. (serv. as locktender com. Apr. 1, '83).....
*Edward Alford.....	" " " " " " " " " " " "	35 00	Per month during navigation.
*Alvin E. Baker.....	" locks Nos. 3 & 4.....	70 00	Per month during navigation (left service Feb. 28, '83).....
*Anson Dodge.....	" " " " " " " " " " " "	70 00	Per month during navigation (services com'ced Mar. 1, '83)
*George Brainard.....	" lock No. 5.....	35 00	Per month during navigation
*Samuel M. Thorp.....	" guard lock, Joliet.....	35 00	
*John L. Horton.....	" locks Nos. 6 & 7.....	70 00	
*Charles Gowland.....	" lock No. 8.....	35 00	
*Augustus Hales.....	" locks Nos. 9 & 10.....	70 00	
Moses Y. Moody.....	" side cut l'k, Ott'a.....	40 00	Per month (by the year).....
*William Moncrief.....	" lock No. 11.....	35 00	Per month during nav. (found drowned in canal Apr. 5, '83)
Terry Rice.....	" " " " " " " " " " " "	35 00	Per month during navigation (left service July 31, '83).....
*Timothy O'Connell.....	" " " " " " " " " " " "	35 00	Per mo. during nav. (services commenced Aug. 1, '83).....
*David B. Langley.....	" " " " " " " " " " " "	35 00	Per month during navigation
*Jason Allery.....	" " " " " " " " " " " "	35 00	
*Lewis Cook.....	" locks Nos. 14 & 15.....	70 00	
Caleb Clark.....	" lock at Henry.....	35 00	Per month during navigation (left service May 31, '83).....
James E. Kelley.....	" " " " " " " " " " " "	35 00	Per month during navigation (serv. com'm'ced June 1, '83)
James Ritchie.....	" " " " " " " " " " " "	35 00	Per month during navigation

*\$25 per month during winter months.

REPORT OF SUPERINTENDENT.

SUPERINTENDENT'S OFFICE, ILLINOIS AND MICHIGAN CANAL,
LOCKPORT, ILL., December 1, 1883.

To the Honorable Board of Canal Commissioners:

GENTLEMEN: In compliance with usage and the directions of your Board, I herewith submit the following report relative to the maintenance and repairs of the Illinois and Michigan Canal, and the locks and dams on the Illinois river, for the year ending November 30, 1883.

At the close of the season of 1882, in my report to the Canal Commissioners, I recommended the building of a steamboat and barge for the use of the canal, as a necessity growing out of the additional work and responsibilities of the two locks and dams on the Illinois river.

The lock at Henry is located 23 miles below the terminus of the canal, and the one at Copperas Creek 60 miles below Henry. As all building material has to be brought from the canal, and there are no regular tow-boats on the river that run above Henry, we have found it impossible, heretofore, to get the stone needed for repairs to either Henry or Copperas Creek, with any regularity or certainty, or at any cost within reasonable bounds.

As the Canal Commissioners ordered the boats, the operations for 1883 were commenced with the work of their construction. The wooden lock at the mouth of the Kankakee feeder having entirely failed, its rebuilding was also commenced immediately after the close of navigation for 1882, together with the rebuilding of a portion of the walls of the side cut at Ottawa, and a new tow-path bridge over the Desplaines river, at Joliet. The city of Chicago had let the contract for a new lock to be built in the main channel of the canal at Bridgeport, in connection with the pumping works, which also came in for a large share of my time and attention.

The winter, as will be remembered, set in early and very severe, and continued so until about the middle of February, when it broke up with a heavy fall of rain, causing the river to rise and run out the ice, doing great damage. The State dam in the Kankakee river, at the head of the Kankakee feeder, was much injured; also the aprons of the two dams in the DuPage river at Channahon.

A serious break occurred in the Fox river feeder. The fishway at Dayton was washed out; also the protection wall in the feeder bank, below the dam at the same place.

We had hardly recovered from the effects of these losses when the storm of July 23 came, which caused the further damage of four breaks on the Morris level, the one two miles west of the city of Morris being quite a bad break. On the Utica level, at the works of the Utica Cement Company, where the Pecumsaugin creek comes in, the canal was filled with spoilrock, sand and other material, caused by the company having dumped the spoilrock from its works into said creek. At one place, a few rods above the canal, they had entirely filled the creek, and changed its course across some low land, causing it to wash large quantities of material into the canal.

The water had to be drawn from the Utica level, which is nine miles long. Drawing off the water, removing the deposit, and refilling the level caused a delay to navigation of about two weeks.

We had hardly resumed navigation after this storm in July, when a sand-bar was developed in the Illinois river opposite the mouth of the steamboat channel, between LaSalle and Peru, which caused us much trouble. This bar was in the main channel of the river, and where but a few years ago our dredge anchors would not reach bottom; but, by a gorge of ice last February, the channel of the river was changed. Dredge No. 2 was moved there as soon as possible. Owing to the situation, there being no dock or bank to place the land crane on, that the dump-scows loaded with the sand dredged up could get to, it was difficult to do the dredging. Splash boards were put on the Henry dam, thereby raising the water at LaSalle. The dredge was worked at this place the balance of the season with good results. On the 13th of October a break occurred on the Dresden level, a little east of the Aux Sable aqueduct. At about 3 o'clock in the afternoon, about 50 feet of the berm bank was washed away, much below the bottom of the canal. The break was repaired, the water let in, and loaded boats began to lock up on to the level at 8:30 A. M., October 15th.

All these mishaps or misfortunes have not been without their effects on the business, as well as on the receipts and disbursements of the season.

The steamboat and barge, rebuilding of the side-cut wall at Ottawa, the watchman's house at the Kankakee aqueduct, rebuilding the lock in the mouth of the Kankakee feeder, the tow-path bridge over the Desplaines river at Joliet, the city's lock at Bridgeport, a new boarding boat for dredge No. 1, and fitting up the two dredges, were all completed during the winter.

The canal was opened on April 2 and closed November 25, giving 238 days of navigation, less the interruptions.

During the season, the dam across the Kankakee river at the head of the Kankakee feeder, the apron below the DuPage dams at Channahon, and the lining of the Kickapoo culvert between Seneca and Marseilles, have been repaired. Several of the canal bridges have had new floors, a new flat-boat built at Ottawa, the dam at

Pecumsaugin creek repaired, two new lock gates put in, and about five miles of the canal bank lined with rip-rap stone.

Illinois River.

Thirteen boat-loads of stone have been taken to Copperas Creek for the Spring Lake dyke. The lower miter-sill in the lock at Copperas Creek has raised during the past season. As soon as the water in the river is low enough to permit the work to be done, it will be put back in place. The material and tools necessary for building a dam at the lower end of the lock, also the steam pump to take the water out of the lock, are now on the ground, to be in readiness when needed for the purpose.

Nothing has been done at Henry during the past season, but much will be required, at both Henry and Copperas Creek, next season. The timber above water in all the lock-gates at each place is getting very rotten, and can hardly be expected to stand longer than until next season. A large amount of rip-rap stone will also be required at both places the coming year.

Bridgeport.

In the construction of the lock in the main channel of the canal at Bridgeport, by the authorities of the city of Chicago, on plans and specifications of their own, I found the miter sills were not low enough for the interests of navigation, nor the gateway wide enough to allow a sufficient flow of water round the lock at times when boats should be running, and the pumping works not in operation, besides many other things pertaining to its construction that would be detrimental to navigation, if not corrected at that time.

The Commissioner of Public Works refused to make the recommended alterations at the expense of the city, but would permit them to be made, if I wished, at the cost of the canal.

I made arrangement with the contractors for the necessary changes, and paid them for the work.

The construction of this lock made it necessary to do considerable dredging above and below it, in order to make room for sufficient water to pass round to feed the canal below while boats were passing through the lock, when the pumps were not in operation.

It was agreed and understood that the pumps should be finished and in operation the first of December, 1882, but up to this date (Dec. 1st, 1883,) they have not done any pumping to amount to anything.

It was in anticipation of this that I insisted upon a gateway around the lock sufficient to feed the canal by a natural flow, so as not to be dependent on the city's pumping for water for navigation.

Had the lock been built strictly in accordance with the plan and specifications made by the city, there would not have been water in the canal sufficient for navigation, during the past season, without removing their lock. As it is, we have not suffered any for want of water, although the lock has not, as yet, been used to lock boats. It is expected that the pumps will now soon be in operation.

The docking on tow-path side of canal, from Ashland avenue to Chicago river, put in in 1872, has rotted out, so that it will be necessary to renew the same the coming season. On the berm side of the canal, from Ashland avenue to the new lock, piles have been driven, but not capped. It will be necessary to finish the dock on this side also.

Of the total disbursements for the year of \$122,883.61, the following may be considered as the principal items of extraordinary repairs, and have cost as noted below:

Towpath bridge, Joliet.....	\$610 71
Abutments to Kankakee feeder bridge.....	376 60
Bridgeport lock.....	626 09
Summit lock.....	720 18
Kankakee feeder lock.....	3,276 68
Culvert east of Utica.....	889 78
Kickapoo culvert.....	1,417 19
House at Kankakee feeder.....	474 70
Pile-driver and piles.....	1,261 83
Dredge No. 1, (running expenses and repairs).....	12,260 34
Dredge No. 2.....	9,590 69
Boarding boat dredge No. 1.....	1,250 41
Flatboat at Ottawa.....	55 43
Steamboat and barge (construction, outfit and running expenses).....	13,291 39
Breaks (Dayton feeder, Morris and Dresden levels).....	2,576 11
Kankakee dam.....	1,676 33
Riprapping.....	1,344 08
Pecumsaugin bar.....	999 87
Fishway at Dayton.....	746 43
Protection wall at Dayton.....	356 71
Block 13, Bridgeport.....	445 21
Wall side-cut, Ottawa.....	1,310 79
Two new lock-gates.....	500 00

The amounts shown are as expended during the year ending November 30th last, but, in some cases, do not show the full cost of the structures, as a portion of the material had been provided and labor performed in the previous year, a statement of which is included in my report of last year.

In addition to the above, there has been paid for salaries of clerks, collectors and locktenders, attorney's fees, rebates on tolls, and incidentals not chargeable to my department, \$21,241.12.

The following may be considered an approximate estimate of the expenses, for maintenance and repairs, for the coming year:

Ordinary repairs.....	\$36,000 00
Running two dredges.....	24,000 00
Two new canal bridges.....	1,000 00
Eight new lock-gates.....	2,000 00
Rebuilding dock at Bridgeport.....	10,000 00
Illinois river locks and dams.....	10,000 00
	\$83,000 00

All of which is respectfully submitted.

WM. THOMAS,
General Superintendent.

REPORT
OF THE
CANAL COMMISSIONERS
OF THE
STATE OF ILLINOIS,
MADE TO THE GOVERNOR
DECEMBER 1, 1883.

REPORT OF THE COMMISSIONERS.

OFFICE OF THE CANAL COMMISSIONERS OF THE STATE OF ILLINOIS.
LOCKPORT, ILLINOIS, December 1, 1884.

SIR: We have the honor to herewith submit our annual report for the year ending November 30, 1884:

ORGANIZATION.

No change has been made in the organization of the Board since our last report. The only change in the official force of the canal was that made necessary by the resignation of W. W. Hull as collector at Copperas Creek, Jacob L. Fahnestock having been appointed to fill the vacancy.

CONDITION OF CANAL, LOCKS AND DAMS, REPAIRS, ETC.

The Commissioners feel justified in saying that the canal is in better condition than at the close of navigation last season. During the present year considerable has been accomplished in the way of permanent improvements. At Bridgeport 1,269 feet of canal dock and 487 feet of river dock adjoining canal property has been built, and a condition of things at that point disgraceful to the State has been remedied, and will result in greatly facilitating the business of the canal. The policy of facing the banks of the canal with stone has been continued, ten miles having been finished the present year, making the total number of miles now completed about twenty-five. Quite extensive improvements have been made upon the dikes and surroundings at Henry and Copperas Creek locks and dams, and the work will be continued the coming year. In addition, a large amount of dredging has been done, and the usual repairs necessary to the maintenance of the canal have been properly attended to. The most important and necessary improvements in contemplation the present winter are the rebuilding of the ends of locks Nos. 3 and 4, between Lockport and Joliet, at a cost of about \$2,500, the rebuilding of a culvert at Dresden, wastegates at different points, and a bridge and abutments across the Fox river feeder in the city of Ottawa.

BUSINESS OF THE YEAR.

As predicted in our last annual report, the revenue to the canal from carriage of grain has been very light—less, undoubtedly, than for any previous year since its operation. This ordinarily being one of the principal sources of revenue has, in the ratio of its decrease, that much lessened the earnings of the canal. Yet, by continuing the low rate of tolls adopted by this Board last session, and extending its benefits to a greater number of shippers, other freights have increased—the item of lumber alone by nearly 3,000,000 feet—so that the decrease in receipts as compared with last year amounts to only \$3,755.87.

FINANCIAL EXHIBIT.

When we assumed charge of the canal, April 24, 1883, we received from our predecessors in office the sum of \$34,606.51. At the close of navigation last year, although there was a decrease in the season's business from unavoidable causes, as mentioned in our former report, we had increased the amount on hand to \$38,143.79. During the present year the expenses of the canal have been reduced to the lowest point consistent with its proper maintenance, and notwithstanding the extra expense incurred in making the permanent improvements heretofore mentioned, and the farther fact of the failure of certain sources of revenue alluded to, we take pleasure in reporting on hand at this date the sum of \$40,793.40—an increase of \$2,649.61 over the balance shown one year ago. The contingent legislative appropriation has therefore not been drawn upon.

CHICAGO PUMPING WORKS.

The pumping works, alluded to in our last report as not then in operation, commenced pumping June 3d last, and have continued without cessation to the present time. The improved condition of the water in the canal and main branch of the Chicago river during the past season has been marked, and the result brought about by the erection of the works fully justifies the expectation of those who favored this plan of purifying the waters of the canal and river.

LAW SUITS.

Reference was made in our former report to a suit brought by the Commissioners in the Circuit Court of La Salle county against the Utica Cement Company, to recover damages for causing a deposit of spoilrock, sand and other material in the Utica level of the canal. This suit we expect will be decided during the present month.

We also referred a year ago to a suit brought by the Commissioners to regain possession of lot 7, block 35, Canal Trustees' new sub-division of east fraction of southeast fractional quarter of section 21, T. 39 N., R. 14 E., 3d P. M., in Chicago, which is occupied by other parties, the records showing that the canal has never

parted with its title to said lot. This suit has not yet been tried in the Cook county courts, but will undoubtedly soon be reached.

The Commissioners were instructed by the last Legislature to employ competent counsel to look after the interests of the canal so far as they may be involved in a suit then pending in the Circuit Court of Cook county, entitled, "The People of the State of Illinois vs. The Illinois Central Railroad Co., the United States of America, the City of Chicago." In accordance therewith we have employed the firm of McCagg & Culver, of Chicago, to represent the interests of the canal. They proceeded as speedily as possible to arrive at a knowledge of such facts as they deemed necessary for the purposes of having the interests of the canal in the property, and questions involved in that proceeding, directly and properly represented therein, and, after preparing a petition and cross-bill in March last, upon due notice made a motion before the Hon. Thomas Drummond, Judge of the Circuit Court of the United States, to which court the suit had been transferred, either to be made a party defendant therein, or for leave to amend the information so as to set up the rights of the canal. This motion Judge Drummond refused to hear, upon the ground that he was about to resign his office and preferred not to pass upon the questions involved, and made an order that they be referred to some other judge. This delayed further action until Hon. Judge Harlan, one of the Justices of the Supreme Court of the United States, came to Chicago in the month of July last, when the application and motion were put upon his calendar and argued. After the argument he requested that briefs be filed, which was done, and he took the matter under advisement. He has not yet made his decision.

In the spring of 1882 Mr. J. D. Caton made application to lease a certain portion of the 90-foot strip belonging to the canal at Bridgeport, for the purpose of establishing works for crushing stone, and was put in possession of the same by the canal superintendent. Afterwards Mr. Caton raised the question of title, and has paid no rent for the land. The business for which it was occupied having ceased, and the property apparently being abandoned, the Commissioners in September last retook possession of the grounds, and have been sued by Mr. Caton in the Superior Court of Cook county for trespass and damages. The case is not yet reached.

DAMAGES FOR INJURY TO BOAT.

On August 3, 1883, the canal boat "Belle France," belonging to Henry Burrell and William H. Gardiner, was sunk in lock 11, and a bill in the sum of \$681.91, the expense incurred in repairing the damages to boat, was presented to the Commissioners for payment. After a careful investigation of the matter, we arrived at the conclusion that the captain of the boat and the lock-tender at lock 11 were equally blamable for the damage caused, and that the canal should therefore pay to Messrs. Burrell and Gardiner the sum of \$340.95—one half of the amount claimed—in full payment of all damages to said parties. In accordance with clause 3, section 9, chapter 19, of the Revised Statutes of Illinois, we report to you

this appraisalment of damages for the legislation necessary to authorize us to pay the amount specified.

INVESTIGATION OF THE CLAIM OF ALEXANDER BRUCE.

Regarding the investigation of the claim of Alexander Bruce, in accordance with the following joint resolution passed at the last session of the Legislature:—

“WHEREAS, It is alleged by Alexander Bruce that, according to contract with the United States Government and the State of Illinois, he has completed the foundation of the lock at Copperas Creek dam on the Illinois river, and has failed to receive payment in full thereof from the State of Illinois; therefore,

“Resolved by the Senate, the House of Representatives concurring herein, That the Canal Commissioners are hereby instructed to fully investigate the claim of the said Bruce in connection with the construction of said dam, and in said investigation shall employ, if practicable, D. C. Jenne to make such estimates as may be necessary; and the then Canal Commissioners shall be heard in such investigation. When the investigation shall be completed the said Commissioners shall make a full report of the same, with their conclusion, to the Governor.”

—We were unable to secure the services of Mr. D. C. Jenne to make estimates as contemplated by the resolution, but were fortunate in being able to obtain for this purpose the aid of Mr. Chas. Levings, who was principal assistant engineer for the State during the entire time the State had charge of the work on the foundation to the lock at Copperas Creek, and who assisted in making all the estimates and made all the calculations and measurements of material during the progress of the work. We present as an appendix hereto his report, with an endorsement thereon of the Canal Commissioners in office during the building of the Copperas Creek lock. We have examined and canvassed this matter in every particular, had frequent talks with Mr. Bruce upon the subject, and have concluded that the engineer's report above mentioned embodies all the points in the case, and presents them as clearly as possible. While this report shows there may be something due Mr. Bruce upon his claim, we are unable to arrive at any conclusion other than is presented in the report.

PROSPECTS FOR NEXT SEASON.

The outlook for general business prosperity throughout the country next year is not the brightest, yet the increased yield of corn in the country tributary to the canal over several years preceding, will undoubtedly result in an increased carriage of that commodity the coming season, and the revenue from this source will probably offset any loss from a decrease in other freights, so that we do not anticipate any material lessening in the receipts of the canal.

REPORT OF SUPERINTENDENT AND TABULATED STATEMENTS.

Accompanying this report will be found the report of Superintendent William Thomas, giving a detailed account of the repairs and improvements of the canal, and an approximate estimate of expenses and repairs for the year 1885; also the usual tabular statements.

All of which is respectfully submitted.

CHARLES BENT,
GEO. F. BROWN,
D. J. CALLIGAN,

Canal Commissioners.

To JOHN M. HAMILTON, *Governor.*

Receipts and Disbursements of the Illinois and Michigan Canal, and locks at Henry and Copperas Creek, from December 1, 1883, to November 30, 1884, inclusive.

Balance on hand December 1, 1883, as per Canal Commissioners' report, page 7.....		\$38,143 79
RECEIPTS.		
ILLINOIS AND MICHIGAN CANAL.		
Receipts from all sources, to-wit:		
Tolls.....	\$77,102 24	
Leases of water-power.....	6,893 40	
Leases of "90-foot strip" and lots.....	8,456 00	
Ice leases.....	892 00	
Sales of lots and lands.....	1,405 00	
Sales of "spoilbank" stone.....	490 86	
Sales of clay.....	3,825 22	
Miscellaneous.....	8,289 72	
	\$102,304 44	
LOCKS AT HENRY AND COPPERAS CREEK.		
Lockage collected at Henry.....	\$2,291 07	
Lockage collected at Copperas Creek.....	2,508 09	
		107,098 60
		\$145,242 39
DISBURSEMENTS.		
ILLINOIS AND MICHIGAN CANAL.		
Total disbursements, to-wit:		
Charged to tolls and rents.....	\$20,957 82	
Charged to canal property.....	1,158 87	
Charged to maintenance and repairs.....	77,164 07	
	\$99,280 76	
LOCKS AT HENRY AND COPPERAS CREEK.		
Disbursements at Henry.....	\$2,252 54	
Disbursements at Copperas Creek.....	2,915 69	
		104,448 99
Balance.....		\$40,793 40

NOTE.—The above balance is on deposit with Merchants' National Bank of Peoria, Ill., to credit of Treasurer of Canal Commissioners.

For details, see tables marked, respectively, "A," "B," "C," "D," "E," "F," "G," "H," "I," "J," "K," "L," "M," "N," and "O."

"A"—Tolls on Canal.

Date.	No. of rec'pt.	Name of Collector.	Where Collected.	Amount.
1883				
December 31	8	Clarence C. Glover	Chicago	\$1,479 86
	9	William Milne	Lockport	144 37
1884				
March 31	32	Clarence C. Glover	Chicago	971 57
	33	William Milne	Lockport	68 23
April 30	43	Clarence C. Glover	Chicago	4,868 14
	44	William Milne	Lockport	716 23
	45	William E. Coddling	Ottawa	261 28
May 31	51	Clarence C. Glover	Chicago	8,447 08
	52	William Milne	Lockport	903 39
	53	William E. Coddling	Ottawa	619 18
	54	Duncan Campbell	Henry	14 78
June 30	67	Clarence C. Glover	Chicago	7,902 12
	68	William Milne	Lockport	688 19
	69	William E. Coddling	Ottawa	1,460 62
	70	Duncan Campbell	Henry	63 47
	71	Jacob L. Fahnestock	Copperas Creek	29 88
July 31	87	Clarence C. Glover	Chicago	7,550 68
	88	William Milne	Lockport	805 68
	89	William E. Coddling	Ottawa	1,351 50
	90	Duncan Campbell	Henry	44 16
	91	Jacob L. Fahnestock	Copperas Creek	2 88
August 31	100	Clarence C. Glover	Chicago	7,745 44
	101	William Milne	Lockport	982 47
	102	William E. Coddling	Ottawa	1,264 69
	103	Duncan Campbell	Henry	60 29
	104	Jacob L. Fahnestock	Copperas Creek	100 21
September 30	112	Clarence C. Glover	Chicago	7,285 54
	113	William Milne	Lockport	1,418 27
	114	William E. Coddling	Ottawa	1,707 20
	115	Duncan Campbell	Henry	96 66
October 31	123	Clarence C. Glover	Chicago	6,874 04
	124	William Milne	Lockport	1,098 56
	125	William E. Coddling	Ottawa	1,544 41
	126	Duncan Campbell	Henry	36 39
November 30	151	Clarence C. Glover	Chicago	6,581 64
	152	William Milne	Lockport	695 32
	153	William E. Coddling	Ottawa	1,204 90
	154	Duncan Campbell	Henry	12 32
		Total		\$77,103 24

"B"—Leases of Water-power.

Date.	No. of rec'pt.	Name.	Location.	Amount.
1883.				
December 10	3	John Hannah	Channahon	\$100 00
1884.				
January 1	12	Northwestern Tile Co.	Below Joliet	275 58
	13	Norton & Co	Lockport	1,368 50
	4	Marsh & Speer	Below Joliet	191 15
	15	John E. Bush	Dam No. 2, Joliet	164 57
	10	W. M. Druley	Below Joliet	165 98
	25	G. W. Hyde	Dam No. 1, Joliet	681 10
April 14	38	Henry A. Sanger	Dam No. 2, Joliet	360 99
June 3	57	Ottawa Hydraulic Co	Ottawa	375 00
July 7	72	Norton & Co	Lockport	1,368 50
	75	A. O. Marshall, receiver	Below Joliet	165 98
	76	Northwestern Tile Co.	Below Joliet	275 57
	78	Marsh & Speer	Below Joliet	191 15
	17	John E. Bush	Dam No. 2, Joliet	153 23
August 4	84	G. W. Hyde & Son	Dam No. 1, Joliet	681 10
November 15	134	Ottawa Hydraulic Co	Ottawa	375 00
		Total		\$6,893 40

"C"—Leases of "90-foot Strip" and Lots.

Date.	No. of rec'pt.	Name.	Location.	Amount.
1883.				
December	5	1 John Bairdon.....	Sec. 25-37-10, near Lem't	\$50 00
	21	5 M. Truby & Son.....	Sec. 9-3-9, head of Kan- kakee feeder.....	10 00
	25	7 Jeff Carson.....	Bridgeport.....	750 00
1884.				
January	8	16 Michael Shehan.....	Bridgeport.....	50 00
	10	17 Ohio Butt Co.....	Morris.....	100 00
	25	24 Stanton & Stage.....	North Joliet.....	25 00
February	26	27 C. H. Goold.....	Morris.....	5 00
March	3	29 Philip D. Armour.....	Bridgeport.....	2,550 00
	17	30 Allen Paper Car Wheel Co.....	Morris.....	100 00
April	24	39 Henry Blharz.....	Seneca.....	50 00
	28	40 Albert T. Randall.....	Sec. 17-34-9, Channahon	21 00
	30	41 Chicago and Alton Railroad Co.....	Sec. 35-39-13.....	25 00
May	26	49 Pontlot & Goulette.....	Sec. 30-39-14, Bridgeport	50 00
June	13	59 Sanger & Moody.....	Sec. 34-36-10.....	25 00
	13	60 James Clark.....	Secs. 8 & 9-33-2, Utica.....	75 00
	16	62 H. Koeritz & Co.....	Sec. 30-39-14, Bridgeport	10 00
	26	64 A. R. King and John Ryan.....	Joliet.....	125 00
	28	65 Jeff Carson.....	Bridgeport.....	750 00
July	1	73 Norton & Co.....	Lockport.....	200 00
	11	80 E. F. Pulsifer.....	Sec. 9-33-2, Utica.....	50 00
	14	81 Joliet Steel Co.....	Sec. 3-35-10, Joliet.....	100 00
	14	82 George W. Beebe.....	Sec. 32-38-12, Willow Sp.....	10 00
	14	83 Thurber & St. John.....	Sec. 30-39-14, Bridgeport	100 00
	15	84 J. A. McCulloch.....	Sec. 32-38-12, Willow Sp.....	10 00
August	13	95 F. W. Matthiessen.....	La Salle.....	200 00
	15	96 City of Morris.....	Morris.....	20 00
September	3	107 Rouck & Brown.....	Sec. 3-35-16, Joliet.....	10 00
	5	109 H. S. Gilbert & Co.....	Sec. 8-33-2, Utica.....	25 00
October	11	120 Philip D. Armour.....	Bridgeport.....	2,550 00
	31	121 Thurber & St. John.....	Sec. 30-39-14, Bridgeport	50 00
November	20	135 Joliet Steel Co.....	Bridgeport.....	300 00
	20	136 M. Truby & Son.....	Sec. 9-33-9, head of Kan- kakee feeder.....	10 00
	21	137 John Bairdon.....	Sec. 25-37-10, Lemont.....	50 00
Total.....				\$8,456 00

"D"—Ice Leases.

Date.	No. of rec'pt.	Name of Lessee.	Location.	Amount.
1883.				
December	5	2 John M. Welch.....	La Salle.....	\$70 00
	12	4 Abraham Loyd.....	Morris.....	320 00
1884.				
January	11	19 Daniel Shalde.....	Seneca.....	10 00
	11	20 Jerry Cosgrove.....	Marseilles.....	10 00
	16	21 Jesse L. Watson.....	Channahon.....	25 00
	23	22 John Corrigan.....	Near La Salle.....	25 00
November	15	133 David Sanderson.....	Ottawa.....	126 00
	24	139 Lewis Gebhard.....	Morris.....	75 00
	24	140 Abraham Loyd.....	Morris.....	175 00
	29	145 Edwin Porter.....	Joliet.....	56 00
Total.....				\$892 00

"E"—Sales of Lots and Lands.

Date.	No. of rec'pt.	Name.	Description.	Amount.
1884.				
March 18	31	Emily M. Sharp.....	Strip of land in N. E. ¼ sec. 9-35-10, North Joliet.....	\$600 00
June 16	61	Robert K. Coulter.....	Lot 3, block 19, LaSalle.....	30 00
19 63		Mrs. Jennie Loeey.....	Lot of ground in LaSalle.....	50 00
August 16	97	James McManus.....	S. E. ¼ lot 2, block 37, O. T. Ottawa	125 00
November 14	131	LaSalle County Carbon Coal Co.....	Lot of ground in LaSalle.....	600 00
				\$1,405 00

"F"—Receipts from Sale of "Spoilbank" Stone.

Date.	No. of rec'pt.	Name of Collector.	Where paid.	Amount.
1883.				
December 22	6	William Milne.....	Lockport.....	\$24 30
1884.				
April 30	42	" ".....	" ".....	75 09
May 31	50	" ".....	" ".....	94 73
June 30	66	" ".....	" ".....	89 93
July 31	86	" ".....	" ".....	86 14
August 31	99	" ".....	" ".....	60 07
September 30	111	Clarence C. Glover.....	Chicago.....	9 35
October 31	122	William Milne.....	Lockport.....	30 45
November 30	148	" ".....	" ".....	20 80
Total.....				\$490 86

"G"—Receipts from Sale of Clay.

Date.	No. of rec'pt.	Name.	Remarks.	Amount.
1884.				
January 25	23	Phillip Lichtenstadt.....	Amount due on contract	\$300 00
April 2	37	T. & J. D. Tully.....	" ".....	241 95
February 11	26	Purinton-Kimbell Brick Co.....	Clay from bank of canal for making brick.....	68 48
March 1	28	" ".....	Same.....	52 20
April 2	36	" ".....	" ".....	74 40
May 2	(48)	" ".....	" ".....	156 60
June 3	66	" ".....	" ".....	206 69
5	58	Phillip Lichtenstadt.....	" ".....	200 00
July 2	74	Purinton-Kimbell Brick Co.....	" ".....	244 50
8	77	Phillip Lichtenstadt.....	" ".....	100 00
August 2	92	Purinton-Kimbell Brick Co.....	" ".....	151 64
2	93	Phillip Lichtenstadt.....	" ".....	100 00
September 2	105	Purinton-Kimbell Brick Co.....	" ".....	170 77
2	106	Phillip Lichtenstadt.....	" ".....	100 00
17	110	McKenna & Carney.....	" ".....	200 00
October 2	117	Purinton-Kimbell Brick Co.....	" ".....	144 26
2	118	Phillip Lichtenstadt.....	" ".....	100 00
9	119	T. & J. D. Tully.....	" ".....	187 50
November 3	128	Purinton-Kimbell Brick Co.....	" ".....	222 49
4	129	Phillip Lichtenstadt.....	" ".....	50 00
26	141	" ".....	" ".....	100 00
28	143	Purinton-Kimbell Brick Co.....	" ".....	559 59
30	150	T. & J. D. Tully.....	" ".....	93 75
Total.....				\$3,825 22

"H"—Miscellaneous.

Date.	No. of rec'pt.	Name.	From what received.	Amount.
1884.				
July 9	79	Towns of Cicero & Lake	Bill for taking bridge out of canal	\$229 73
Nov. 14	132	George M. Foster.....	Bill against boat "Monitor".....	75 00
22	138	W. Schermerhorn.....	Bill against boat "Delight".....	20 63
				\$325 36
Aug. 22	98	M. D. Keeny.....	Use of flat, towing.....	\$53 50
Sep. 3	108	O. S. Hulbert.....	Coal sold him.....	230 00
Nov. 12	130			246 50
26	142	William E. Coddington.....	Freight on stone, old material sold.....	218 08
29	144	Chicago Telephone Co.	Telephone line sold.....	1,000 00
	146	City of Ottawa.....	Freight on stone.....	80 00
	147	Almond Thomas.....	Use of boats.....	100 00
	149	William Milne, collector	Old material, coal, sand, &c. sold	981 28
				2,914 36
			Total.....	\$3,239 72

"I"—Charged to Tolls.

SALARIES OF CLERKS, COLLECTORS, INSPECTOR AND LOCKTENDERS.

Date.	No. of vouch'r	Name.	For what expended.	Amount.
1883.				
December 31	1	William Thomas.....	Pay-roll for labor.....	\$305 00
1884.				
January 31	26	"	"	803 71
February 29	42	"	"	815 00
March 31	58	"	"	815 00
April 30	102	"	"	1,095 00
May 31	153	"	"	1,095 00
June 30	217	"	"	1,095 00
July 31	276	"	"	1,095 00
August 31	318	"	"	1,095 00
September 30	385	"	"	1,095 00
October 31	445	"	"	1,095 00
November 30	497	"	"	1,095 00
				\$11,998 71

Charged to Tolls—Continued.

REBATES ON TOLLS.

Date.	No. of vo'ch'r	Name.	For what expended	Amount.
1883. December 31	24	Chl. Anderson Pressed Brick Co.	Rebate of tolls— on clay shipments.....	\$494 38
1884. March 31	101	Sanger & Moody.	on stone ..	897 26
May 31	204	J. N. Shuler.	on grain and lumber.....	170 94
	205	H. C. Strawn	on lumber shipments.....	29 00
	206	M. Byrne.	..	4 40
	207	H. L. White & Co.	..	33 45
	208	H. & E. F. Hunter.	..	43 50
	209	N. S. Cutright.	..	64 63
	210	Jos. Miller & Sons	..	58 82
	211	Ira Smith & Son	..	93 99
	212	Rogers & Binnian.	..	19 05
	213	Jeff Carson.	..	140 67
	214	John Hancock.	..	124 81
June 30	215	W. H. Schermerhorn.	..	110 54
	254	Norton & Co.	on grain ..	24 20
	255	George F. Brown.	..	15 06
	256	O. J. Nelson & Bro. agts	..	26 93
	257	Harrington & Hogan.	..	16 12
	258	Isaac Gage & Co.	..	24 16
	259	John N. Shuler.	on lumber ..	75 56
	260	H. C. Strawn.	..	40 11
	261	H. S. Gilbert & Co.	on grain ..	18 35
	262	E. F. Pulsifer.	..	22 33
	263	M. Byrne.	on grain and lumber...	314 28
	264	George L. Blanchard.	..	23 86
	265	S. N. Maze	on lumber shipments...	47 85
	266	C. Zimmerman.	..	43 78
	267	H. L. White & Co.	..	42 07
	268	H. & E. F. Hunter.	..	29 85
	269	G. C. Griswold & Co.	on grain ..	82 20
	270	H. G. Anderson & Co.	on lumber ..	25 53
	271	Jos. Miller & Sons	..	95 55
	272	Proctor & Tripp	..	36 62
June 30	273	John Hancock.	..	76 42
	274	W. H. Ballard.	..	27 85
	275	William Vedder.	on grain ..	16 11
July 31	303	Isaac Gage & Co.	on lumber ..	20 53
	304	J. N. Shuler.	..	87 21
	305	H. C. Strawn	..	31 32
	306	E. F. Pulsifer.	..	37 15
	307	M. Byrne.	..	6 50
	308	C. Zimmerman.	..	62 32
	309	S. N. Maze.	..	74 05
	310	J. Q. Hall.	..	3 00
	311	N. S. Cutright.	..	103 35
	312	Jos. Miller & Sons	..	73 07
	313	M. F. Meints & Son.	..	61 39
	314	Ira Smith & Son	..	69 09
	315	Proctor & Tripp	..	113 09
	316	John Hancock	..	102 51
August 31	364	Isaac Gage & Co.	..	38 25
	365	J. N. Shuler.	..	34 43
	366	H. C. Strawn	..	29 18
	367	J. D. Young & Co.	..	20 56
	368	E. F. Pulsifer.	..	56 97
	369	M. Byrne.	..	26 29
	370	S. N. Maze.	..	39 46
	371	J. Bernhard.	..	17 44
	372	H. L. White & Co.	..	36 42
	373	H. & E. F. Hunter.	..	116 39
	374	R. A. Wright.	..	15 01
	375	J. Q. Hall.	..	24 62
	376	Jos. Miller & Sons	..	71 83
	377	M. F. Meints & Son.	..	6 93
	378	H. G. Anderson & Co.	..	53 89
	379	Rogers & Binnian	..	9 00
	380	Proctor & Tripp	..	66 28
	381	Jeff Carson.	..	251 96
	382	John Hancock	..	129 98
	383	W. H. Ballard.	..	6 60
	384	Charles Spicknell.	..	31 20
September 30	425	Norton & Co.	on grain ..	8 94
	426	Robinson & Ellis	on lumber ..	30 32
	427	J. M. Howard.	..	11 03
	428	J. D. Young & Co.	..	22 65
	429	H. C. Strawn	..	28 38
	430	J. N. Shuler.	..	183 68

Charged to Tolls—Continued.

Date.	No. of vo'ch'r	Name.	For what expended.	Amount.
1884.				
September 30	431	E. F. Pulsifer.....	Rebate of tolls—	
	432	M. Byrne.....	on lumber shipments....	\$9 61
	433	S. N. Maze.....	.. ..	39 33
	434	C. Zimmerman.....	.. ..	32 61
	435	J. Bernhard.....	.. ..	82 05
	436	Charles Stedman.....	.. ..	6 00
	437	H. L. White & Co.....	.. ..	8 30
	438	J. Q. Hall.....	.. ..	5 86
	439	N. S. Cutright.....	.. ..	34 25
	440	Jos. Miller & Sons.....	.. ..	31 03
	441	Ira Smith & Son.....	.. ..	39 38
	442	Jeff Carson.....	.. ..	43 50
	443	W. H. Ballard.....	.. ..	195 71
	444	E. C. Jager & Sons.....	.. ..	46 26
October 31	480	Robinson & Ellis.....	.. ..	120 02
	481	Isaac Gage & Co.....	.. ..	14 48
	482	H. C. Strawn.....	.. ..	50 69
	483	E. F. Pulsifer.....	.. ..	20 02
	484	S. N. Maze.....	.. ..	37 30
	485	C. Zimmerman.....	.. ..	52 06
	486	Charles Stedman.....	.. ..	120 58
	487	J. Bernhard.....	.. ..	5 33
	488	H. L. White & Co.....	.. ..	22 06
	489	J. Q. Hall.....	.. ..	30 68
	490	N. S. Cutright.....	.. ..	2 84
	491	Jos. Miller & Sons.....	.. ..	6 40
	492	Ira Smith & Son.....	.. ..	64 47
	493	M. F. Meints & Son.....	.. ..	65 27
	494	Proctor & Tripp.....	.. ..	14 52
	495	Jeff Carson.....	.. ..	106 93
	496	John Hancock.....	.. ..	26 79
November 30	563	Robinson & Ellis.....	.. ..	113 11
	564	Young & Nash.....	.. ..	4 07
	565	H. C. Strawn.....	.. ..	195 68
	566	E. F. Pulsifer.....	.. ..	47 56
	567	M. Byrne.....	.. ..	20 49
	568	C. Zimmerman.....	.. ..	16 33
	569	S. N. Maze.....	.. ..	39 82
	570	H. L. White & Co.....	.. ..	22 67
	571	H. & E. F. Hunter.....	.. ..	3 75
	572	N. S. Cutright.....	.. ..	106 49
	573	H. G. Anderson & Co.....	.. ..	32 46
	574	Jos. Miller & Sons.....	.. ..	38 30
	575	Rogers & Blinnian.....	.. ..	95 00
	576	Jeff Carson.....	.. ..	91 21
	577	V. Jobst.....	.. ..	57 51
	578	John Hancock.....	.. ..	3 00
	579	Weiss & Co.....	.. ..	146 83
				41 71
				\$8,078 07

COMMISSION ON LUMBER SHIPMENTS.

1883.				
May 31	203	Alex Storts.....	Commission.....	\$42 00
June 30	253	.. ..	.. ..	45 00
July 31	302	.. ..	.. ..	44 00
August 31	363	.. ..	.. ..	60 00
September 30	424	.. ..	.. ..	54 00
October 31	479	.. ..	.. ..	48 00
November 30	562	.. ..	.. ..	60 00

353 00

Charged to Tolls—Continued.

INCIDENTALS.

Date.	No. of vo'ch'r	Name.	For what expended	Amount.
1883.				
December 31	25	Ottawa Hydraulic Co...	½ ice rent at Ottawa.....	\$298 00
1884.				
February 29	57	Sanger & Moody.....	Toll refunded (Gov't property cl'd in error.....)	5 13
March 31	97	A. D. Hill	Col's books and blanks...	60 00
April 30	150	Robt. Clow, circuit clk.	Court costs.....	8 50
	151	Clarence C. Glover, col.	Stationery, postage stamps	8 12
May 31	216	H. W. Wells.....	Legal services.....	30 00
July 31	301	James B. Speer.....	Exp's in water power suits	26 50
September 30	423	Robert Wilson.....	Services as civil engineer	12 64
October 31	473	Robert Mann Woods....	Advertising ice.....	5 00
	474	Hayes & Fletcher.....	"	3 00
	475	Cullen & Happ.....	"	4 00
	476	A. J. Reddick.....	"	6 25
	477	Peoria Sonne.....	Advertising dock, Peoria	7 50
	478	Transcript Publish'g Co	"	8 00
November 30	543	Hapeman & Graham....	Collector's book.....	12 00
	560	Freeman Co.....	Advertising dock, Peoria	8 41
	561	Wells & Keithley.....	Legal services.....	25 00
Total.....				\$528 04
				\$20,957 82

"J"—Canal Property.

Date.	No. of vo'ch'r	Name.	For what expended.	Amount.
1884.				
January 31	41	McCagg & Culver.....	Legal services (retainer).....	\$1,000 00
March 31	98	.....	Printing cross-bill, type writing, short-hand work.....	52 70
	99	Robert Wilson.....	Services as civil engineer and expenses.....	45 80
July 31	317	G. D. A. Parks.....	Legal services.....	15 00
September 30	422	A. J. Mathewson.....	Services as surveyor.....	45 37
Total				\$1,158 87

"K"—Maintenance and Repairs.

Date.	No. of v'cher.	Name.	For what expended.	Amount.
1883.				
Dec. 31.	1	William Thomas.....	Pay-roll for labor.....	\$250 00
	2	William Keough.....	.. ..	627 25
	3	Henry G. Eddy.....	.. ..	88 38
	4	William Cook.....	.. ..	137 25
	5	Almond Thomas.....	.. ..	524 20
	6	John Sheely.....	.. ..	302 36
	7	Denis Shannahan.....	.. ..	345 74
	8	Moses Y. Moody.....	.. ..	158 75
	9	Alston Man'g Co.....	Paint, putty, glue.....	14 83
	10	George Bohner & Co.....	Burners, lamp.....	2 21
	11	S. J. Surdam & Co.....	Stove pipe.....	4 60
	12	W. & A. McArthur.....	Lumber.....	10 13
	13	Jones & Laughlins, lim.....	Rivets, iron.....	78 04
	14	Henry Herschman.....	Hay.....	4 80
	15	Charles Lang.....	Oats.....	51 38
	16	John H. Weeks, P. M.....	Postage stamps.....	10 12
	17	Chl. & Alton R. R. Co.....	Freight.....	6 94
	18	William Keough.....	Stabling, R. R. fare.....	3 15
	19	Henry G. Eddy.....	Stabling, hay, freight, expressage.....	2 91
	20	Hapeman & Graham.....	Wall paper, envelopes.....	25 04
	21	M. Kneussl.....	Oats.....	87 35
	22	John Leonard.....	Shoeing horses.....	13 00
	23	H. D. Dement, Sec. St'te	Certified copies of joint resolutions.....	5 00
1884.				
Jan. 31.	26	William Thomas.....	Pay-roll for labor.....	250 00
	27	William Keough.....	.. ..	397 70
	28	Almond Thomas.....	.. ..	346 50
	29	Alston Manufacturing Co.....	Oil, paint.....	7 57
	30	Servoss, Northen & Co.....	Grate.....	5 00
	31	Jones & Laughlins, lim.....	Rivets, iron.....	12 39
	32	Jones Bros.....	Moulding, hooks, nails.....	10 00
	33	William Cook.....	Labor of men breaking ice.....	10 50
	34	William Bradley.....	Stationery.....	2 00
	35	Nelson Reed.....	Oats.....	80 43
	36	U. S. Express Co.....	Expressage.....	6 35
	37	Hapeman & Graham.....	Paper, pens, time books.....	17 45
	38	M. Stiefel.....	Oats.....	25 48
	39	John Leonard.....	Shoeing horses.....	2 80
Feb. 29.	42	William Thomas.....	Pay-roll for labor.....	255 00
	43	William Keough.....	.. ..	333 00
	44	Almond Thomas.....	.. ..	330 35
	45	Chicago Telephone Co.....	Rent of telephone instruments.....	84 67
	46	H. W. Emery.....	Decking.....	57 20
	47	Julius Scheffe.....	Brick, labor, repairs, mortar.....	7 27
	48	James H. Alexander.....	Oats.....	43 53
	49	William Thomas.....	Expenses as Supt. 3 m'ths, direct'ry, tel.....	45 05
	50	Hapeman & Graham.....	Letter-heads, tablets, ink.....	8 25
	51	Michael Kinnevan.....	Ear corn.....	27 64
	52	E. J. Robson.....	Oats.....	41 94
	53	John Leonard.....	Shoeing horses.....	4 80
	54	Charles Bent.....	Expenses as Commissioner 3 months.....	67 10
	55	George F. Brown.....	.. ..	19 20
	56	D. J. Calligan.....	.. ..	38 25
March 31	58	William Thomas.....	Pay-roll for labor.....	255 00
	59	William Keough.....	.. ..	666 54
	60	Henry G. Eddy.....	.. ..	270 78
	61	Charles Dimick.....	.. ..	178 10
	62	Orange Thomas.....	.. ..	147 66
	63	Almond Thomas.....	.. ..	714 09
	64	John Sheely.....	.. ..	158 37
	65	Denis Shannahan.....	.. ..	138 26
	66	Thomas Smits.....	.. ..	68 00
	67	John Cook.....	.. ..	117 38
	68	Kilbourne & Jacobs Co.....	Wheel barrow frames.....	49 90
	69	Central Union Tel. Co.....	Rent of telephone instruments.....	25 00
	70	D. P. Ingraham.....	Oak lumber.....	97 86
	71	Crane Bros. Manf. Co.....	Inspirator, flxt'r's dredges and steam't.....	35 08
	72	Alston Manufacturing Co.....	Oil, mixed paint.....	75 22
	73	G. B. Carpenter & Co.....	Rope, oakum, waste, sheaves, curtains.....	196 68
	74	S. J. Surdam & Co.....	Shovels, handles augers, saw, screws.....	31 87
	75	Jones & Laughlins, lim.....	Iron, steel, bolts, dredge chain, wrench.....	126 72
	76	Fraser & Chalmers.....	Sheaves, piston for dredge.....	45 70
	77	D. C. Baldwin.....	Bolts, steel, babbitt, labor.....	3 52
	78	Abe Rupley.....	Iron, pipe, screws, labor.....	19 00
	79	Frank J. Knowles.....	Matches, paint, glass, stationery.....	29 18
	80	A. J. Ewen.....	Material for bedding.....	19 85
	81	Mrs. O. L. Ingraham.....	Making bedding.....	17 85

Maintenance and Repairs—Continued.

Date.	No. of vcher.	Name.	For what expended.	Amount.
1884.				
March 31	82	John H. Weeks, P. M.	Postage stamps, wrappers, cards.....	\$14 57
	83	Chl. & Alton R. R. Co.	Freight.....	59 42
	84	U. S. Express Co.	Expressage.....	4 75
	85	William Keough	Railroad fare, tallow.....	7 90
	86	A. B. Sharp & Co.	Mixed paint.....	73 25
	87	Haeberlin Bros.	Iron, labor, rivets, tallow, salt.....	36 25
	88	Corcoran & Schaefer	Repairing harness, bits.....	4 35
	89	Forbes & Flick	Bedding for boats.....	69 00
	90	Lutz & Briggs	Paint, oil, lye.....	15 68
	91	J. N. Shuler	Lumber.....	25 46
	92	William Stormont	Machine and foundry work.....	25 64
	93	John Leonard	Shoeing horses.....	6 80
	94	C. B. & Q. R. R. Co.	Freight.....	7 57
	95	C. R. I. & P. R. R. Co.	.....	3 65
	96	Almond Thomas	Livery, stabling, extra board of men.....	27 05
	97	A. D. Hill	Blanks, letter-heads, envelopes.....	20 50
April 30.	102	William Thomas	Pay-roll for labor.....	255 00
	103	William Keough	.....	991 49
	104	Henry G. Eddy	.....	1,106 57
	105	Charles Dimick	.....	45 75
	106	Orange Thomas	.....	517 25
	107	Almond Thomas	.....	1,439 76
	108	John Sheely	.....	488 75
	109	Denis Shannahan	.....	523 25
	110	James Cook	.....	134 00
	111	D. P. Ingraham	Oak lumber.....	540 08
	112	Gen. U. Telephone Co.	Rent of instruments and Exchange service.....	22 40
	113	Chicago Rubber Works	Rubber hose.....	4 00
	114	Crane Bros. Man'g Co.	Pump, hose coupling, nozzle, labor.....	33 69
	115	Alston Manufacturing Co.	Oil.....	20 37
	116	J. N. Lighthall & Bro.	Cylinder oil.....	3 75
	117	Geo. B. Carpenter & Co.	Sheaves, oakum.....	18 45
	118	W. & A. McArthur	Lumber.....	95 56
	119	Jones & Laughlins (lim)	Iron, steel rope, nuts, nails.....	61 72
	120	Fraser & Chalmers	Tee, nipples, unions, plug, clamp, labor.....	11 50
	121	L. R. & M. S. R. R. Co.	Freight on oak lumber, switching.....	37 50
	122	C. & Atlantic R. R. Co.	.....	54 40
	123	William Cook	Unloading lumber, R. R. and car fare.....	20 00
	124	David C. Baldwin	Nails, steel, bolts, iron, horseshoes.....	8 27
	125	Abe Ruple	Files, labor, repairs, nails, tins.....	12 42
	126	A. J. Wadsworth	Collars, whips, brush, repairs.....	20 25
	127	F. F. Stowe	Brooms.....	2 75
	128	Jas. H. Alexander	Oats.....	135 49
	129	William H. Gardiner	Freight on lumber on boat.....	7 47
	130	C. & A. R. R. Co.	Freight.....	45 35
	131	U. S. Express Co.	Expressage.....	4 55
	132	William Keough	Railroad fare, oil.....	3 30
	133	Joseph Duso	Coal, lye, sal soda.....	47 42
	134	Sanger & Moody	Riprap stone.....	25 00
	135	Isaac Nobes	.....	78 20
	136	William Sandford	Castings.....	2 94
	137	Charles McEwen	Lumber.....	3 97
	138	Haeberlin Bros.	Rope, bolts, stove, iron, keys.....	33 20
	139	Hapeman & Graham	Wall paper, stationery.....	12 52
	140	Lutz & Briggs	Paint, oil.....	2 02
	141	Corcoran & Schaefer	Whips, repairing harness and pumps.....	3 15
	142	O. W. Bollmeyer	Crockery for boats.....	13 45
	143	William Stormont	Castings, machine work.....	18 41
	144	F. W. Rowe	Brooms.....	14 00
	145	John Leonard	Shoeing horses.....	4 40
	146	W. E. Bowman, P. M.	Postage stamps, cards.....	10 00
	147	William E. Jodding	Stone, extra board of men.....	18 10
	148	George H. Loeey	Coal.....	57 60
	149	Robert Strawn & Ruger	Court costs.....	7 15
May 31..	150	Robert Chow, Circ'l Clk	.....	11 00
	151	William Thomas	Pay-roll for labor.....	255 00
	152	William Keough	.....	722 69
	153	Henry G. Eddy	.....	1,250 58
	154	Charles Dimick	.....	541 91
	155	Orange Thomas	.....	576 90
	156	Almond Thomas	.....	1,667 90
	157	John Sheely	.....	582 65
	158	Denis Shannahan	.....	369 02
	159	D. P. Ingraham	Oak timber, plank and piles.....	694 78
	160	W. J. Acker	Oak and ash plank and timber.....	115 71
	161	Crane Bros. Man'g Co.	Packing, waste, springs, gaskets.....	16 06
	162	Alston Manufacturing Co.	Oil, mixed paint.....	75 37

Maintenance and Repairs—Continued.

Date.	No. of vcher.	Name.	For what expended.	Amount.
1884.				
May 31..	165	J. N. Lighthall & Bro.	Oil.	\$21 06
	166	George Bohner & Co.	Lanterns, green globes.	7 30
	167	Jones & Laughlins (lim)	Nuts, iron, washers.	20 33
	169	L. N. A. & C. R. R. Co.	Freight on piles.	105 00
	170	Chi. & Atlantic R. R. Co.	and oak timber.	54 20
	171	William Cook	Unloading piles, postage, railroad fare.	13 00
	172	Norton & Co.	Lumber, coal, wire, machine work.	12 53
	173	H. W. Emery	blinds, siding.	27 91
	174	Frank J. Knowles.	Paint, putty, matches, stationery.	18 90
	175	M. Walter.	Crockery, brooms, salt, grease.	35 28
	176	Julius Scheibe	Rubber boots.	10 00
	177	James H. Alexander.	Oats.	79 89
	178	John H. Weeks, P. M.	Postage stamps, box rent.	10 85
	179	Paul J. Cox.	Use of steamer "China".	25 00
	180	C. & A. R. R. Co.	Freight.	2 94
	181	William Thomas.	Expenses as Supt. 3 mos., cleaning office.	20 45
	182	Henry G. Eddy.	Stabling, repairs for dredge.	4 55
	183	William Keough.	R. R. fare, file, board of men.	21 00
	185	H. Burrell & Co.	Coal.	126 00
	186	Sanger & Moody.	Riprap stone.	50 00
	188	John Hannah.	Corn and oats.	3 88
	189	John Nelson.	Lumber.	30 70
	190	Haerlein Bros.	Bolts, pails, grindstone, nuts, iron.	4 23
	191	Coreoran & Schaefer.	Repairing harness, oil.	3 17
	192	William Stormont.	Castings, machine work.	4 84
	193	E. Y. Griggs.	Paint, oil.	10 00
	194	John Leonard.	Shoeing horses.	12 60
	195	Almond Thomas.	R. R. fare, freight, horseshoeing.	5 73
	196	Utica Cement Ass'n	Cement.	15 00
	197	George H. Locey.	Coal.	168 80
	198	William Reed.	Shovels.	2 50
	199	Charles Bent.	Expenses as Commissioner 3 months.	41 83
	200	George F. Brown.	3	18 00
	201	D. J. Calligan.	Expenses as Com. 3 months, maps.	48 00
	202	William M. Bloomer.	Letter-heads, envelopes.	9 25
	204	J. N. Shuler.	Lumber.	5 61
	206	M. Byrne.	Lumber.	6 07
June 30..	217	William Thomas.	Pay-roll for labor.	250 00
	218	William Keough.	" "	935 43
	219	Henry G. Eddy.	" "	1,168 90
	220	Charles Dimick.	" "	457 02
	221	Orange Thomas.	" "	446 48
	222	Almond Thomas.	" "	1,538 27
	223	John Sheely.	" "	492 89
	224	Denis Shannahan.	" "	458 40
	225	Goodyear Rubber Co.	Hose, coupling, reel.	36 80
	226	Alston Manufacturing Co.	Oil.	11 60
June 30	227	Wells & French Co.	Bridge timbers, valve castings.	105 95
	228	Geo. B. Carpenter & Co.	Rope, cotton.	50 36
	229	Jones & Laughlins (lim).	Silgo iron.	3 36
	230	Owen Owens.	Pick g. gaskets, washers, repr'g whistles.	18 15
	231	D. P. Ingraham.	Oak piles.	238 80
	232	L. N. A. & C. R. R. Co.	Freight on piles, and switching.	60 00
	233	Wm. Cook.	Unloading piles, switching, R. R. fare.	14 00
	234	David C. Baldwin.	Bolts, iron, twine.	5 00
	235	Abe Ruple.	Pipe, wire cloth, smoke-stack, repairs.	25 44
	236	A. J. Wadsworth.	Collars, tugs, whips, repairs to harness.	16 70
	237	Chicago & Alton R. R. Co.	Freight.	57 61
	238	U. S. Express Co.	Expressage.	3 30
	239	Wm. Keough.	R. R. fare, turning spokes, empty bbls.	4 00
	240	Joseph Duso.	Coal, lye, lamp-chimneys, repairs.	15 88
	241	Isaac Nobes.	Riprap stone.	48 66
	242	Mrs. E. Flick.	Stabling.	4 20
	243	Joliet Steel Co.	Rivets, iron, lathe work.	6 70
	244	Walter S. Smith.	One mule.	115 00
	245	John McFague.		125 00
	246	Coreoran & Schaefer.	Repairing harness, leather.	6 40
	247	Wm. Stormont.	Valve castings, machine work.	36 44
	248	M. Sriefel.	Oats.	75 13
	249	John Leonard.	Shoeing horses.	5 60
	250	George H. Locey.	Coal.	239 20
	251	John N. Shuler.	Lumber.	4 66
July 31	276	Wm. Thomas.	Pay-roll for labor.	250 00
	277	Wm. Keough.	" "	851 04
	278	Henry G. Eddy.	" "	1,210 61
	279	Charles Dimick.	" "	485 90
	280	Orange Thomas.	" "	507 76

Maintenance and Repairs—Continued.

Date.	No. of v'cher.	Name.	For what expended.	Amount.
1884				
July 31	281	Almond Thomas	Pay-roll for labor	\$1,573 80
	282	John Sheely	"	488 92
	283	Denis Shannahan	"	461 90
	284	Alston M'fg Co.	Oil, mixed paint	95 06
	285	S. J. Murdam & Co.	Shovels	5 00
	286	J. N. Lighthall & Bro.	Cylinder oil	7 50
	287	Jones & Laughlins (lim.) ..	Bolts, steel, dredge chain, iron, shoes ..	112 20
	288	John H. Weeks, P. M.	Stamped envelopes, post. st'ps, box rent ..	28 55
	289	Chicago & Alton R.R. Co.	Freight	6 13
	290	Ill. State Penitentiary ..	Smoke-stack, valves, machine work	93 75
	291	Haeblerlin Bros.	Bolts, steel, iron, wire cloth	7 22
	292	Hapeman & Graham	Wall-paper, frame for maps	13 82
	293	Corcoran & Schaefer	Repairing harness	3 00
	294	Wm. Stormont	Castings, machine work	29 69
	295	M. Stiefel	Oats	85 50
	296	E. Y. Griggs	Oil, grease, lamp-chimneys	7 02
	297	John Leonard	Shoeing horses	13 00
	298	M. Dinneen	Coal	108 50
	299	Locey Coal Mines	"	14 40
	300	Whiteside Sentinel	Printing letter-heads and blanks	11 25
Aug. 31	318	Wm. Thomas	Pay-roll for labor	250 00
	319	Wm. Keough	"	927 83
	320	Henry G. Eddy	"	1,228 28
	321	Charles Dimick	"	514 32
	322	Orange Thomas	"	569 01
	323	Almond Thomas	"	1,645 13
	324	John Sheely	"	657 45
	325	Denis Shannahan	"	472 62
	327	Western Electric Co.	Telephone batteries, sal ammoniac	5 01
	328	Chl. Dredging & Dock ..	Oak timber	26 20
	329	Alston M'fg Co.	Oil	13 48
	330	Crane Bro's M'fg Co.	Packing, flue-scraper, steam-gauge	9 66
	331	Geo. B. Carpenter & Co.	Rope, sawing	164 68
	332	Crandall, Schultz & Co.	Lumber	30 13
	333	J. N. Lighthall & Bro.	Cylinder oil	3 75
	334	Jones & Laughlins (lim.) ..	Iron	36 21
	335	Fraser & Chalmers	Castings	4 98
	336	Hiram Noble	Building dock at Bridgeport	3,237 25
	337	Chl. St. L. & P. R. R. Co.	Freight and switching piles	21 00
	338	Chl. & Atlantic R.R. Co.	"	25 00
	339	L. N. A. & C. R. R. Co.	"	25 00
	340	Wm. Cook	R. R. fare, postage, switching piles, labor ..	11 80
	341	W. J. Acker	Oak lumber	113 79
	342	D. C. Baltwin	Shovels, bolts, screws, iron	25 44
	343	Abe Ruple	Shovels, bolts, labor, nails	32 06
	344	A. J. Wadsworth	Rep's on harness, pump-suckers, saddle ..	15 55
	345	A. Ruland	Oats	29 45
	346	Fred Winkler	"	20 48
	347	Chicago & Alton R.R. Co.	Freight	52 31
	348	Wm. Thomas	Expenses as Superintendent, 3 months ..	32 36
	349	Joseph Duso	Coal, lye, sal soda	6 02
	350	Isaac Nobes	Rip-rap stone	25 00
	351	W. Sandiford	Castings	12 25
	352	Charles C. Smith	Hay	353 27
	353	Elijah E. Bates	Shoeing mules, scythe, blacksmithing ..	20 79
	354	D. S. Huff	Use of boat	30 00
	355	Haeblerlin Bros.	Pumps, rope, repairs, iron	8 75
	356	Corcoran & Schaefer	Repairing harness and pumps, leather ..	3 45
	357	John Leonard	Shoeing horses	6 40
	358	A. T. Griffin	Rip-rap stone	42 00
	359	Charles Bent	Expenses as Commissioner, 3 months ..	45 76
	360	George F. Brown	"	11 02
	361	D. J. Calligan	"	31 00
	364	Isaac Gage & Co.	Lumber	17 91
	365	John N. Shuler	"	42 60
Sept. 30	365	Wm. Thomas	Pay-roll for labor	250 00
	366	Wm. Keough	"	821 06
	367	Henry G. Eddy	"	1,225 77
	368	Charles Dimick	"	453 00
	369	Orange Thomas	"	471 23
	370	Almond Thomas	"	1,604 30
	371	John Sheely	"	465 47
	372	Denis Shannahan	"	465 77
	374	Kilbourne & Jacobs Co.	Wheelbarrow trays	24 00
	375	Alston Mfg. Co.	Oil, mixed paint	32 46
	376	R. B. Fuller & Co.	Lumber, shingles	210 90
	377	Geo. B. Carpenter & Co.	Rope, sheaves	132 03

"M"—Disbursements for Lockage at Henry.

ATTENDANCE OF LOCK, SALARIES OF COLLECTOR AND LOCKTENDER.

Date.	No. of v'cher.	Name.	For what expended.	Amount.
1883. Dec. 31	1	William Thomas.....	Pay-roll for labor	\$75 00
1884. Jan. 31	26	" "	" "	75 00
Feb. 29	42	" "	" "	75 00
Mar. 31	58	" "	" "	85 16
April 30	102	" "	" "	110 00
May 31	153	" "	" "	110 00
June 30	217	" "	" "	110 00
July 31	276	" "	" "	110 00
Aug. 31	318	" "	" "	110 00
Sept. 30	385	" "	" "	110 00
Oct. 31	445	" "	" "	110 00
Nov. 30	497	" "	" "	110 00
				\$1,190 16

REPAIRS OF LOCK AND DAM.

1884. May 31	154	William Keough	Pay-roll for labor.....	\$275 26
	160	Denis Shaunnahan		169 37
	184	Joseph Duso	Coal, lye, sal soda.....	24 20
	186	Sanger & Moody.....	Riprap stone	200 00
	187	Isaac Nobes.....		50 00
June 30	218	William Keough	Pay-roll for labor.....	21 07
	224	Denis Shaunnahan		38 00
	259	John N. Shuler	Lumber	19 20
July 31	277	William Keough	Pay-roll for labor.....	10 39
	283	Denis Shaunnahan		17 85
	304	John N. Shuler	Lumber	4 80
Aug. 31	319	William Keough	Pay-roll for labor.....	20 78
	325	Denis Shannahan		141 90
				992 82

INCIDENTALS.

1884. Mar. 31	97	A. D. Hill	Collector's books and blanks	\$8 25
Aug. 31	348	William Thomas	Expenses to Henry.....	3 30
	359	Charles Bent	" "	3 00
	360	George F. Brown	" "	3 50
	361	D. J. Calligan	" "	1 50
Nov. 30	557	McCoy Bros.	Oil	5 76
	558	Duncan Campbell	Postage, exch'ng, wood, freight, expressage	44 25
				69 56
Total				\$2,252 54

"N"—Receipts for Lockage at Copperas Creek.

Date.	No. of receipt	Name of Collector.	Where Collected.	Amount.
1883.				
Dec. 31	10	Duncan Campbell	Henry	\$0 06
	11	Jacob L. Fahnestock	Copperas Creek	2 40
1884.				
Mar. 31	34	Duncan Campbell	Henry	32 95
	35	Jacob L. Fahnestock	Copperas Creek	218 93
April 30	46	Duncan Campbell	Henry	403 50
	47	Jacob L. Fahnestock	Copperas Creek	91 70
May 31	51	Clarence C. Glover	Chicago	10 99
	54	Duncan Campbell	Henry	223 00
	55	Jacob L. Fahnestock	Copperas Creek	87 63
June 30	70	Duncan Campbell	Henry	35 27
	71	Jacob L. Fahnestock	Copperas Creek	260 01
July 31	90	Duncan Campbell	Henry	47 48
	91	Jacob L. Fahnestock	Copperas Creek	237 18
Aug. 31	103	Duncan Campbell	Henry	13 00
	104	Jacob L. Fahnestock	Copperas Creek	261 46
Sept. 30	115	Duncan Campbell	Henry	17 18
	116	Jacob L. Fahnestock	Copperas Creek	160 96
Oct. 31	123	Clarence C. Glover	Chicago	55
	126	Duncan Campbell	Henry	36 97
	127	Jacob L. Fahnestock	Copperas Creek	167 54
Nov. 30	151	Clarence C. Glover	Chicago	2 18
	154	Duncan Campbell	Henry	12 01
	155	Jacob L. Fahnestock	Copperas Creek	180 14
			Total	\$2,503 09

"O"—Disbursements for Lockage at Copperas Creek.

ATTENDANCE OF LOCK, SALARY OF COLLECTOR AND LOCKTENDER.

Date.	No. of v'cher.	Name.	For what expended.	Amount.
1883.				
Dec. 31	1	William Thomas.....	Pay-roll for labor	\$92 50
1884.				
Jan. 31	26	" "	" "	75 00
Feb. 29	42	" "	" "	75 00
Mar. 31	58	" "	" "	91 94
April 30	102	" "	" "	110 00
May 31	153	" "	" "	110 00
June 30	217	" "	" "	110 00
July 31	276	" "	" "	110 00
Aug. 31	318	" "	" "	110 00
Sept. 30	385	" "	" "	110 00
Oct. 31	445	" "	" "	110 00
Nov. 30	497	" "	" "	110 00
				\$1,214 44

REPAIRS OF LOCK, DAM AND DIKES

1884.				
May 31	154	William Keough.....	Pay-roll for labor	\$3 75
	168	FitzSimons & Connell.	Timber for boom	21 02
Aug. 31	326	Jacob L. Fahnestock...	Pay-roll for labor	75 76
Sept. 30	386	William Keough.....	" "	116 90
	388	Charles Dimick.....	" "	32 33
	389	Orange Thomas.....	" "	8 52
	391	John Sheely.....	" "	16 17
	393	Jacob L. Fahnestock...	" "	639 78
Oct. 31	453	" "	" "	242 24
Nov. 30	505	" "	" "	215 62
				1,372 09

INCIDENTALS.

1884.				
Jan. 31	40	Jacob L. Fahnestock...	Labor, postage, envelopes.	\$4 37
Mar. 31	97	A. D. Hill.....	Collector's blanks.....	3 50
	100	Charles Levings.....	Services and exp. as engineer...	108 50
April 30	152	McCoy & Straut.....	Oil.....	5 79
June 30	251	Joseph Utley.....	Expenses att'd'g meet'g of Board	12 65
	252	H. G. Anderson.....	" "	26 85
Aug. 31	348	William Thomas.....	Expenses to Copperas Creek....	3 30
	359	Charles Bent.....	" "	3 75
	360	George F. Brown.....	" "	3 50
	362	Singer & Wheeler.....	Oil, lead, can.....	23 40
Sept. 30	411	William H. Gardiner...	Freight on lumber, posts, wire..	4 00
	420	Colburn, Binks & Co...	Oil.....	9 65
	421	A. J. Fash.....	Use boat "Peoria Belle," & barge	25 00
Oct. 31	463	Norton & Co.....	Lumber, wire.....	51 20
Nov. 30	517	D. C. Baldwin.....	Nails.....	2 90
	543	Hapeman & Graham...	Collector's book.....	7 00
	559	Jacob L. Fahnestock...	Postage, coal, express'ge, freight	38 80
				329 16
Total.				\$2,915 69

APPENDIX.

CONTAINING THE USUAL TABULAR EXHIBITS, AND THE
REPORT OF THE SUPERINTENDENT.

"P"—Exhibit from 1848 to 1884, inclusive.

Year.	Ordinary repairs.	Extra-ordinary repairs, renewals and hydraulic works.	Gross expenses.	Tolls.	Canal opened.	Canal closed.	No. of days open
1848	\$36,452	\$6,744	\$43,197	\$87,890	April 19....	November 29..	224
1849	43,922	26,999	70,922	118,375	" 20....	December 9..	231
1850	38,418	19,996	58,415	125,504	March 22....	" 6..	259
1851	39,447	19,027	58,475	173,300	" 15....	" 8..	269
1852	42,816	10,692	53,508	168,577	" 29....	" 8..	255
1853	40,303	4,486	44,870	173,372	" 14....	" 12..	274
1854	36,587	16,654	53,242	198,326	" 15....	" 2..	263
1855	38,216	32,657	70,873	180,519	April 3....	" 12..	253
1856	33,101	58,357	91,458	184,310	" 8....	" 4..	241
1857	37,256	65,825	103,082	197,830	May 1....	November 20..	204
1858	36,115	21,972	58,088	197,171	April 1....	December 1..	244
1859	34,026	40,406	74,432	132,140	March 16....	" 3..	264
1860	34,308	48,275	82,583	138,554	" 8....	November 26..	264
1861	39,238	15,823	55,061	218,040	" 4....	" 23..	270
1862	40,024	15,337	55,362	264,657	April 1....	December 3..	247
1863	49,294	13,021	62,715	210,386	March 4....	" 1..	271
1864	47,535	18,572	66,107	156,607	" 10....	" 1..	265
1865	39,255	85,614	124,869	300,810	April 10....	November 15..	218
1866	43,716	72,647	116,363	302,953	" 11....	October 31..	203
1867	46,152	116,504	162,656	252,231	" 10....	November 15..	209
1868	52,984	69,067	122,052	215,729	" 4....	October 31..	210
1869	49,514	42,251	91,765	238,759	" 7....	November 15..	222
1870	43,098	65,597	108,695	149,633	" 7....	October 8..	184
1871	54,555	42,667	97,222	159,059	" 6....	November 25..	234
1872	42,785	46,090	88,876	165,871	" 1....	December 1..	245
1873	**53,525	27,573	81,098	166,641	" 10....	November 20..	225
1874	\$49,139	24,659	73,798	144,831	March 30....	" 20..	236
1875	46,241	28,270	74,511	107,081	April 15....	" 23..	228
1876	42,418	49,167	91,585	113,293	March 25....	" 18..	239
1877	45,965	55,053	110,018	96,913	April 16....	December 1..	230
1878	**43,826	39,013	82,839	84,333	March 20....	" 1..	257
1879	a44,076	53,625	97,701	89,061	" 29....	November 30..	237
1880	b47,604	77,907	125,601	92,293	" 22....	" 18..	242
1881	c53,597	54,626	108,223	85,130	April 25....	" 26..	216
1882	d57,399	48,103	105,412	85,947	March 13....	" 30..	263
1883	e56,515	60,241	116,756	77,975	April 2....	" 25..	238
1884	f55,731	43,549	99,280	77,102	April 7....	December 1..	239

NOTE.—The figures in the above table, from 1848 to May 1, 1871, are as given by the Trustees of the Illinois and Michigan Canal.

* In this amount is \$15,400 paid collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$38,125.

† In this amount is \$15,399 paid collectors, locktenders, and incidentals, which would leave the amount properly chargeable to maintenance and repairs, \$33,740.

‡ In this amount is \$14,523 paid collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$31,718.

† In this amount is \$12,757 paid collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$29,661.

‡ In this amount is \$12,825 paid collectors, locktender and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$42,140.

** In this amount is \$12,954 paid collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$30,872.

a In this amount is \$14,592 paid collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$29,484.

b In this amount is \$15,273 paid collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$32,331.

c In this amount is \$18,299 paid collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$35,298.

d In this amount is \$18,937 paid to collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$38,372.

e In this amount is \$21,241 paid to collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$35,274.

f In this amount is \$22,413 paid to collectors, locktenders and incidentals, which would leave the amount properly chargeable to ordinary repairs, \$33,318.

"Q"—Statement of number of canal boats running; of miles run; of clearances issued, and of tons transported on the Illinois and Michigan Canal, during twenty-five years, viz: from 1830 to 1884 inclusive.

Date.	Clearances Issued.	Boats Running	Miles Run.	Tons Transport'd
1860	3,926	201	235,684	367,437
1861	6,339	194	415,599	547,295
1862	7,044	311	474,976	673,590
1863	5,810	240	418,713	619,599
1864	4,527	228	300,340	510,286
1865	3,907	228	360,614	616,140
1866	5,488	230	406,784	746,815
1867	4,183	209	357,623	746,964
1868	4,128	218	345,169	737,827
1869	4,524	219	285,050	817,758
1870	2,903	179	242,650	585,870
1871	3,523	186	278,948	629,975
1872	*5,018	173	334,820	783,641
1873	*4,743	172	328,174	849,533
1874	*4,296	153	288,075	712,020
1875	*3,554	142	259,878	676,025
1876	*4,049	145	302,024	691,943
1877	*4,008	145	272,788	605,912
1878	*4,299	140	293,335	538,792
1879	*4,458	136	304,191	669,559
1880	*4,536	133	320,009	751,360
1881	*4,459	133	316,435	826,133
1882	*4,055	132	335,710	1,011,287
1883	*3,789	132	306,618	925,575
1884	*4,204	1134	326,431	956,721

* Includes clearances at Henry and Copperas Creek.

† Of this number 27 are steam canal boats and 8 are tugs.

"R"—LEASES OF WATER-POWER.

No change has been made in the leases of water-power since the last report. The following is a schedule of the leases as they now stand—

Name of Lessee.	Description of Lease.	Time.	Date given or renewed.	Payable	Yearly Rent	Remarks.
Norton & Co.	Lot 1, block 123 Lockport.	20 years.	March 4, 1873	Semi-annually.	\$300 00	Rent of lot 1 not included.
Norton & Co.	Lot 6, block 123 Lockport.	20 "	May 1, 1873	"	200 00	Rent of lot 6 not included.
G. W. Hyde	Surplus water at Lockport.	20 "	July 1, 1866	"	2 177 00	Rent commenced July 1, 1872
Henry A. Sanger.	Dam No. 1, Joliet.	20 "	July 17, 1876	"	1, 240 00	Ground rent not included.
John E. Bush.	Dam No. 2, Joliet.	10 "	July 1, 1883	"	721 98	"
Northwestern Tile Co.	Dam No. 2, Joliet.	10 "	"	"	529 14	"
Wm. M. Druley, (sur. part. etc.)	West Joliet.	10 "	"	"	551 15	"
Wm. M. Druley, (sur. part. etc.)	West Joliet.	10 "	"	"	331 48	"
John Hannan.	West Joliet.	10 "	"	"	382 30	"
Ottawa Hydraulic Co.	Channahon.	10 "	May 31, 1881	"	200 00	"
	Ottawa.	20 "	May 1, 1872	"	760 00	"